

# SEQUENCE LISTING

<110> Horne, Darci T.  
Vockley, Joseph G.  
Scherf, Uwe  
Gene Logic, Inc.

<120> Gene Expression Profiles in Liver Cancer

<130> 44921-5028-WO

<140>

<141>

<150> US 60/211,379

<151> 2000-06-14

<150> US 60/237,054

<151> 2000-10-02

<160> 3950

<170> PatentIn Ver. 2.1

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<211> 282

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<213> Homo sapiens

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<220>

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tcantggcac cactgggaaa ttnttggttn gcctggacac actggtaacc aattactggg 420
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<220>  
<223> Genbank Accession No. AA001604

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<222> (1)..(387)  
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caaacacatt cagaaacata ctatatgtct acaaagaata cttcaaaatg tgcctccaaa 240  
cttcaggcac ataattccaa tttttattga atgtagagat tttatgaaaa caantccaan 300  
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 <211> 202  
 <212> DNA  
 <213> Homo sapiens

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<220>  
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 nattaataat ataggaataa tgaataatat atatttatat ggtaaaatat ggaattttta 180  
 taccnagggt ttaaaancct gg 202

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 <213> Homo sapiens

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 <223> Genbank Accession No. AA004231

<220>  
 <221> unsure  
 <222> (1)..(455)  
 <223> n = a or c or g or t

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 ttcccaactc tagataacta tgtgctaggc tctgggctaa gtgctttaca taatgttgct 180  
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 attccgtcta cacctgcact gtccagtgtg gtaggtcacc tagtngacat ggtgaccatt 360  
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 ttgctcagca gctggtctgt ggctagtttg gttgg 455

<210> 8  
 <211> 457  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA004521

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 ttggtctgag aagtctatgc ggtcacctca gagccgctaa gcaccttcag tgggcccac 180  
 ccattggcgg cgtactcctg ctggagccgg gcacggtaat agaagaggta ggaaggcaac 240  
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 aaacagagtc aagtaggtag tcatctgccc ttagcctccc acaggagagaa gaaaggcggc 360  
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<210> 9  
 <211> 447  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA004669

<220>  
 <221> unsure  
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 atcttttaa atgtcagctt aactggggga aaatgtgtcc cctgggcanc aaggtnnggt 360  
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<210> 10  
 <211> 427  
 <212> DNA  
 <213> Homo sapiens

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<220>  
 <221> unsure  
 <222> (1)..(427)  
 <223> n = a or c or g or t

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 ggtgaggcca tcgcaagagc agatctgctt ggggttcttg aaaaggccag cggagttgnc 300  
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 <211> 431  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA004905

<220>  
 <221> unsure  
 <222> (1)..(431)  
 <223> n = a or c or g or t

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<213> Homo sapiens

<220>  
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catgtcatgt gtcaccagat ggtgtggcac aagggaactt ca 402
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<210> 13  
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<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
<221> unsure  
<222> (1)..(349)  
<223> n = a or c or g or t

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aagttgcccc tggtcagcta agtgacggaa gactatacga ctaagcctcc agcgccgctt 240
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<213> Homo sapiens

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<220>  
<221> unsure  
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tggctacctc ctgagcagga ggaattctg cctgaatcac tggacaatgg ttggaggatg 240  
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<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA007158

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<210> 16  
<211> 295  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA007160

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aaaaggggag gcagggcagt ttcacatttt ttgaaagggtg gtggacgaca actacacttg 180  
tccttaaaagt aaaataaaaag caggagagac ccagcagaga ccaacctgat ttgcagttag 240  
catcagaatc taaatctagt atcacaactt taagaaacta aaagaaaact attag 295

<210> 17  
<211> 465  
<212> DNA  
<213> Homo sapiens

<220>  
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<212> DNA  
<213> Homo sapiens

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<223> Genbank Accession No. AA007507

<400> 18

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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA007629

<400> 19

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taacctcctg gggagcagct ctggacactc agtaccaga cctgggctca gcaaggcctg 180
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acagaattct caagggatag gcgca 265
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<211> 443

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA009719

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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA009913

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<220>  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA010205

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 <211> 258  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA010360

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 cttactgtca ggatgaagcc tttatgttta catccaagaa ctgagttcac tgatgtcaac 180  
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<210> 25  
 <211> 444  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA010530

<220>  
 <221> unsure  
 <222> (1)..(444)

**Abstract**

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atctcagttt	ttctgtctg	tacagtaaaa	tgccaaaagt	acttccctaa	agtacaaagg	360
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<213> Homo sapiens

<223> n = a or c or g or t

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gcaccggttt	gggtgaagat	ctgcaggagg	tagcctttct	cgtcgtagtc	caccaggatt	420
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<213> Homo sapiens

<223> n = a or c or g or t

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gtaactgcag	cggccaccaa	gcgtccccct	ctgggctctg	gaggggttcg	gccctgcctg	180
cctccccctt	cctcctgggg	cagctgggac	aggggacccc	tgtttgaaga	cagcggggac	240
aacggcccgg	gaggcagctg	aattgcccac	tgtgaggccc	ttcttccttg	gcactgcctg	300
aaacccgtag	cccactccgg	ctgcccgggc	tcttctgcct	tctcctggca	ccagcctccg	360
ggcccggggc	agcttgctag	gagagcgaga	acactgtttc	tgaaaggggt	gctgcttgct	420
tctttgttcc	cggttttccg	aaagcngaa	tcccgaacg	cctgagaaa	cctcaggctc	480
tggcg						485

9

<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA010750

<220>  
<221> unsure  
<222> (1)..(507)  
<223> n = a or c or g or t

<400> 28  
ggttacaatt cacattcctt attctgagaa tttggcccca gctgtttgcc tttgactccc 60  
tgacctccag agccagggtt gtgccttatt gtcccatctg tgggcctcat tctgccaaag 120  
ctggaccaag gctaaccctt ctaagctccc taacttgggc cagaaaccaa agctgagctt 180  
ttaactttct ccctctatga cacaaatgaa ttgagggtag gaggagggtg cacataaccc 240  
ttaccttacc tctgccaaaa agtggggggt gtactgggga ctgctcggat gatctttctt 300  
agtgtactt ctttcagctg tccctgtagc gacagggtcta agatctgact gcctcctcct 360  
ttctctggcc tcttccccct tccctcttct tctttcagct aaggctagct ggtttggagt 420  
agaatggcaa cttaattcta atttttattt attaaatatt tggggntttg gttttaaaagc 480  
cagaattacg gctagcacct agcattt 507

<210> 29  
<211> 439  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA011134

<400> 29  
tttttttttg gtttagaatg aagttttttt ttttaattat ttttcttgga agtagggagg 60  
atttgaaagc ttgaaaatca agaatacaaa gacagtgaat ctagaaggca tctgggagca 120  
gaacagagat tgaagacggg tgggcacagg agaaagcgcc accatcgatc ccggctgctg 180  
ccctggaaat gtgattttct taatagctga gttcatgggt gcttgaggtc aggcctggct 240  
attcatttcc agcgatgtct gaccagagag gactcatcat tgacgacctc agggtcacgg 300  
gggcgacgct gacaccggaa cggcagcagc agcaggacga ttaagacaag gaggatggct 360  
ccacagacgc tcatgagcgc cataggacac aatccacaaa atgggggctcg ctcaaagact 420  
gagcggggac acagtttct 439

<210> 30  
<211> 446  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA011209

<220>  
<221> unsure  
<222> (1)..(446)  
<223> n = a or c or g or t

<400> 30  
tgcttgcccc agactttact cgctcccggc cccacggacn aaggaacact gccgcaaacg 60  
tcggggcccc gctgagagg agcctctggn cgncccaggc ctcttgggga tccctgccaa 120  
gctggccccg ggctggaagg tgcattggga gcacagaaa ccaggatcca cccactgccc 180  
accggtggcc ctcacagctc cccgggatct gtgtcctcag tgcaaagggc ctggcaggga 240  
aagctggggc tggttggtcag gcatggagga gctgtgtggt cactggccac tggctctctt 300  
ctgcaccacc gccggctctg acaantgcct gctgtgtcag ctgctggatc agctccgcca 360  
cacagatctt tgaacagggg tacagggtcc ttctctcca aaagtctctg cttctnaatg 420

gcctcctcca gcgtgaggcc caccn

446

<210> 31

<211> 404

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA011383

<220>

<221> unsure

<222> (1)..(404)

<223> n = a or c or g or t

<400> 31

```
gagatggagt ctcactctgt ctgccaggct ggagtgcaga gcgacactct atctgaaaaa 60
cacaaaaaca gaaacaaaac cacacacaca cacacaaaac cataaggact tttggaaacg 120
ttttacgatg tggttgaagt gctttcagat taattactat tggagcaaaa tgatgaagtg 180
atgtatccca aaccgtgttt ataagtaatt caagtattag ctagccatct actatgtcca 240
agcaatgtgc atgacactga anggtggaat ggtgggcagc ccttacagag cggtaacaaat 300
ggggtcaatg cgggtgcaaa cacagttgca tggcagggtt tggtnngctaa atnttttaag 360
gattgggagg accacgccta ctttctcccc agggaaaggg gata 404
```

<210> 32

<211> 459

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA011679

<400> 32

```
gagacagggt ctaactctgt agcctaggct ggagttcagt ggcacgatca ttcctggact 60
caaataatcc tcccacctca gccctccgag tagctgggac tacagggtgca tcaccaggcc 120
tggttgattc ttttttattt tttgtaacaa ttaaataata aataaaaaatc tctactgtgtt 180
acccaggctg gtcttgaact cctgggctgg agtgatcctc ccacctcagc ctctcaaagt 240
attgggatta cagatgtgag ccaccatgcc cagccccgtg tctctcaact ggccaaacag 300
gaaaggacct gcgaatggtc actgggagca ggagaccagt cagagaccag gagcaaaaga 360
ggcctagctt ggcttgaga gagaagcaca tccctgggta gtgggttttac agtgcctgc 420
tctctattgc ctcaccctta aaataaacac cacaccctc 459
```

<210> 33

<211> 502

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA013095

<220>

<221> unsure

<222> (1)..(502)

<223> n = a or c or g or t

<400> 33

```
tgcacaaaat gcttttatta ctctaagcaa ataaatcaat caaatcacat ttcccattag 60
acagcacctc agctccccta tacatacagc agttcgctgg attgaataca caatgaacaa 120
ctgaaaatga tcaatttcca tcattctgat aacacgggca aaaaattcaa actctctgtt 180
agaatacagg tactagtaat caaaaagaaa atttcttgat atctcccact agcattttca 240
gatttagaat ttaaccatga agtacatata tagaactaat gacagaaaaa tcgcatttta 300
```

```

aaataatatt acagttcttc tgtaaacctc agagtgattt ctgtgtgggg aacttggctg 360
accagaagat taaatgagaa ttttgtacnt ccctcagata gccaaataga gttaaagggc 420
cactcccaca ccaccccctt ccaaaaaaaaa accaaaacat ggttttcccn ccttttttac 480
cggatattga ccaccagtat ag 502

```

```

<210> 34
<211> 482
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA015768

```

```

<220>
<221> unsure
<222> (1)..(482)
<223> n = a or c or g or t

```

```

<400> 34
acgtgttcaa atatttattt taacagcatc ttttgaaca tgttttatttc ccttaaaaaac 60
gacacagagg aaacatgtac actgtaacaa caccttcccc tctgtttctc cagaagaaaa 120
atgtttctgc atgcttgata acagatgggtg caaccaacag taaacctggc tctctacacc 180
agtgaagaac catttctcaa atgcccagtg tgcctcagag gaaatataca attttaaagt 240
tgacctgta gcaaaaattt tgagtcaaat tattaataatt tagaaaagaa ctggattcaa 300
atacttacia actaggcagt ttttaaaaact agacctttta gaccgtcctg ggtcatccat 360
aatatatcag agtcactctt aggggtgggt aacaacataa atagtatttt cacttaacgt 420
aaggctagtc ccatggaata ataaaatcca acagttgggg gntaaaaaatt taattccant 480
tt 482

```

```

<210> 35
<211> 248
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA016021

```

```

<220>
<221> unsure
<222> (1)..(248)
<223> n = a or c or g or t

```

```

<400> 35
tcatattgta caactatgat attaggtatt aagcgacgta attctttctc tactagtga 60
ccagtttatt tcacttagca aactctaaat tgagggaat atataatctg agaacacaca 120
gaaaaatata ttgaaaaacc aatagagaat tatttttaac catcataaaa actcaatctt 180
aattaactga tagtcttta cttaaaaaaa agagtaatcn agattggaaa ttgggaatta 240
aaaatatt 248

```

```

<210> 36
<211> 406
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA017146

```

```

<400> 36
agatggagtc tcgctgttgt tgcccaggct ggagtgcaat ggcacaatct ctgctcacga 60
caacctctgc ttcccgcagc caggttatct cagaagccaa ttttcccttt agggaaagt 120
acagaatcag ccagggaaga ggaatgggag gatgggctgg atgatccctg ttcaggccta 180

```



```

atccgctggc ctccctgggg cctccctttc tttgtgccaa gccctgtgct ggggtgctggg 240
aactgggaac acagaatgaa tcagacatag cctttgttcc catggggctc agtctcatgg 300
ggaagacaaa tgtgtatcag gcattattga cccaggatca tcagtgtctc aataaaaaagc 360
tcagaggggtg ggttgggaag gcttcctgga ggaggaggta ctggaa 406

```

```

<210> 37
<211> 321
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA017192

```

```

<400> 37
tttttttttt ttgggtttta agccaaatth tatctaacct ttaataaaca aatcaatggc 60
aataacaaaa atttaaaaca ttcttaatth tgaatgttaa tatatgaatg ctaataatat 120
taatatcaat tttgaatatt tggacaaaaa tcccaaacaa aatattcata agataaatta 180
agcagcttat caaaacaata atataccaca gctaagcata ttatatthca gaaatggtht 240
aaaacaagaa atcagaatga attataacat taaaatagca gaggagaatg atatatgaac 300
aaagcaaaag aagtgatagg a 321

```

```

<210> 38
<211> 452
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA018346

```

```

<220>
<221> unsure
<222> (1)..(452)
<223> n = a or c or g or t

```

```

<400> 38
tctcagtaaa cattcattta tttcctgcca gcagggtgcag tggggcccca ctgggnaggg 60
ggactgggtgt tctaacagga gcgagaaaat gaaggaggcc tggcttaaga ccagacattt 120
gaagaaggct ccaggcaggg aaaggaaaag agaggccagg ccacactgtc cctccctgc 180
ccccacgtct ccagcaacac aaggcggcca gtggaccgtg aaccatttht ttccaaacta 240
taaagaaaacc tgctctctga gaaaagacac tgcccagggtg atgaagctcc agcccctgga 300
ggtccaaaac ccagtccaaa ctcagtcctt ttagaaagct gctgtgcctt tggaaatgag 360
tctcggctgt cagagcctgg gaagtgggtg gaagaaccag cccactcccc tctcctgctg 420
cgattccagc gcagtttggg gccagctct gg 452

```

```

<210> 39
<211> 427
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA018867

```

```

<400> 39
gtttacatca tattttatth tattacagtc aataaatata cttttatata tgaaatcatt 60
atagaatata tattttaagg cactaagtht caaaagtga ggcacctgtt atactthtgc 120
ctctaatttg acacattaaa acatgagagg taaatctgcc aatttattht gagthtgcaa 180
gcttacaatt taatagaata aatcaggtag cttcagaaat caactaagaa aattaacagg 240
ctagagtctg aactaataat cttgacatgg tttgattatc acttggttht ttctgattac 300
tcattthact tttcatttht gaatctaaac tgacaattcc acctthtagag gtataataga 360
gctattaacc gatgagacac atctactcat tctctggtaa ctctgggaca tcgcatcttg 420
cttthaaa 427

```

<210> 40  
 <211> 417  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA018922

<400> 40  
 aagtgggagc ttttggtgta aacttttcctg cagccggttaa agtggcaccg gtgcaccctc 60  
 ctctctgccgt cgggggaggc atcgcatctt ccttgtcacc tggcttcccc gaagtcccgc 120  
 tgcgcacctt ccctggcgag ggcagctccc cgggcacgca accccacagt tgagaagggt 180  
 ccctgctcag ttccggagaa gatggaggcg tggagggtgac agaggagctc aattttcccg 240  
 agctgaccaa aacttcgcca atggggctcg aggtaaactt ggccgttggg aagaaagtcc 300  
 ctcgagagctg tcagaggatt cgctgctgac atctgagttc aggctgttgg tctctaagtt 360  
 gtaacaaaag ctcgggctga tgagagtgtc ctctggagga ctggaagata tcttcaa 417

<210> 41  
 <211> 487  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA019715

<220>  
 <221> unsure  
 <222> (1) .. (487)  
 <223> n = a or c or g or t

<400> 41  
 ttaagagaca agatctcact ctgtcaccaa ggctggaatg tagtggcatg atcatagctc 60  
 aactgcaacc tcgaactcct aagctcaagc aatcctctca cctcagctctc ctgagtagct 120  
 aggactacac agtatgtgct caacatgact ggctagttaa aaacattttt tttttttagt 180  
 agacgaagct ccaagtgttg cccaggctgg tctcaaaactc ccagcctcaa gggatcctcc 240  
 tgcattagct tcccaaagtg ttgggattac aggcattgagc caccacacct ggccctctcca 300  
 taatgatgtt gagaccatcc tcttcaacaa agaattcagtc agttcagcac ctaattttcc 360  
 cacactgaag tctacgcaat tttcatgcag actgtgcaca cagtacagtg cacaatatcca 420  
 gagggcaaca cattggtaat tcatatcatc cggtttttcca aagtatgaca tatgggacac 480  
 ctggagn 487

<210> 42  
 <211> 440  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA021549

<400> 42  
 aaagtcattt tattggacac aaatgctaaa aattagaaaa accatacatt ttactctatc 60  
 aatctgttag gaaaaactat agaatatgat agtgattgca ttgattctgc ttagcaaatt 120  
 aaatgcaaaa ctaagatatt caccaaatat aaaatatagt tattttctaa gaaataaaac 180  
 tcacacaact gccattttta gcagaatggt ggcaactgcc attttttagca gaaacaaaaa 240  
 ctatttcctg ttaacaagaa ggaaaaacca tcagtgaaca ctcaagtaat aatcagggga 300  
 ctaggatgga ctctcagtaa gaaaccactg gaatatacct gggactaaat ctattctaac 360  
 aaaattaagt ataccaaccg gaatagtttt gtgtgtgcat ttggttttta ctatatactt 420  
 ttataatctc aaaagtacct 440

<210> 43

<211> 418  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA021623

<400> 43  
ggttttgaac cttaaataaa agtaaaaaat gaatgcaaaa agaacacaat gttgaaaact 60  
tagtatgaat gtgaacctca ctagatgttc aaatctggta gaggcgaaat tttgttcata 120  
ctattttaca tttttacaaa ctcaaatac tttgggtcat atattttcta taaactattg 180  
gcaaaaaaat cctcaaattt acattctttt ggctacatta tttctaacag atatagattt 240  
acttccggtt tcggagagaa agacttattg tgtgtgcgtg atcaagtctg ttttaaagat 300  
tactcgcgtg ctttcatcta ataacttctg gtttttcata aaatgctgac atcttcattg 360  
gaaatttttt tcatgtaact gttttcattt tcagaaaata tataaggggg tcattccg 418

<210> 44  
<211> 394  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA022623

<220>  
<221> unsure  
<222> (1) .. (394)  
<223> n = a or c or g or t

<400> 44  
gaggctaatac acgtatttat tttttcaaaa gggttaaagt aagcttttcc caactgaaat 60  
atatagaaaaa ccccaatgta tgaaacaagt tttaggcatt ggtgttgga gcggtagtgg 120  
gctgatgtgt cctccctgca cacagctggg ggcagttagc ccttcccctc tgggtgaacc 180  
ctgggggaaat cttggcaccc tcagcctcac tgccttccaa tctcagctca aagactgggc 240  
atcctgcctg ggaccacggc cccccccccc aatgtccctc aagggagtac aagaagtac 300  
cangcattga ctgcccaccc tgcgtgtcct ccttttcagg taaaataaag aaggtaaagcn 360  
tagcttgaggg attttcgcgt gnccgaaagt tnaa 394

<210> 45  
<211> 452  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA024482

<400> 45  
ttttgctagt gcggagtttt attggctaca aaatagatgc aaaatgatga gaatctgaag 60  
gctgcagtag gaaagtagag ctttaccctc ataaactcgc actttgatta gaaaagtgc 120  
atatattaag agcattatga gaagtctggt gagactgtta cagaaaaaaa aaataaaagt 180  
ttctgagtct gataattcca agggatctct ttagaactca ctactgggtg tctgtgcaag 240  
gactttcctt ggggggaaaat agattttaca acaggcgga actttcattg gtctcatgcg 300  
tgcttttgga tttcattcac ttgacaaaga actaatcttc cgttgatggt ctccctgggt 360  
atggccttga tctttggagt tgcagacact ttcattgctg actttgattc ttcccgtgtc 420  
ccttactct ctccctccca ggagccgtcg gg 452

<210> 46  
<211> 148  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA024511

<400> 46

gttaattaca gtacaccttt attaatactg gaatcttcac agtgcacatctg ttacttgtag 60  
cagtgcactat atttaaatcg gggaggatgg tgtggagggg agaatttttc caaaatctga 120  
cggaaagaaa agaaacaaat gggttcaga 148

<210> 47

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA024658

<400> 47

ttttaaatat ttaagagttt atttgagcag tgatccatga attgggcagc tccaagccag 60  
aagtggctag ggagctcccc agagagaaca tgaggaggag gcttttttagg acaaatagat 120  
aaaagcaaaag ataataattc attgggttaca gttatacagt tacacagtta tacagttgcc 180  
ttatttggtc tatcccatga ggaagtccta gttactaatt acgtttttgt tggctgcttc 240  
tgattgggtg agcttaagtt ctgtgtttct ttaacatagg catttacaag aaataaccaca 300  
aataaagttt cagacatgct tgcaaataca gcaagggttaa ggtcacttag ggggcccac 360  
tggctctgtc tgctcaagga ttcttctggc ctcgtctcca ttttacatga actggttgca 420  
taaataaaca cagagta 437

<210> 48

<211> 441

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA024776

<220>

<221> unsure

<222> (1) .. (441)

<223> n = a or c or g or t

<400> 48

ttttcagggg gatcattctt tttattgcca aggaccaaga aacaaagtgt agaaatgcta 60  
tacacaatgg tcatgagcta caaggttagga atgggggtgca ggggagacgt ggtaacacac 120  
agcactattc tgaacgaact ccagctctcc attctaacac ttgaaccaag gaaagacagc 180  
agtccttttt cactaagcct gcaacagaat gcaaagtgtga cttggtttat cagctccac 240  
aggacaggca gcgcaaaagg ctattgtaag ctgggttttg gagcccccat ctcaaacaga 300  
gagtggatgc tgaaggtggc ccctggccgc cactgggtggn ttgggtcccc gggcttgcta 360  
ggtcctgggc atgtctcgat tctccaatga tncagctttg tcagtttgaa tacagttggg 420  
ccaatgtggg acctggtcga c 441

<210> 49

<211> 474

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA024866

<220>

<221> unsure

<222> (1) .. (474)

<223> n = a or c or g or t

```
<400> 49
gtctccccc tttatttggg aaacagaatt acattaaaag gaaaaagtaa cagcatgttg 60
aaatttcact taagtcgata ccctttgata caaactgggt tattatgcat ttataaaaga 120
tgccccttgt tggccatgga aaagatacat tttatgatct acagcggcag tatattcact 180
ttaagtagga attaggaata taaatgcaaa aaaaaattaa aatgtcacat tttctctccc 240
cattctacag aatagaattt ttttgctcca ttacttagga gctcgcacct ccctgcctcc 300
ctgtgagatg ccatgcacct gttgcagctg tcagcgggtg ttgccccctn gaccattcct 360
ctgctctacc ccttacccca acacactccc tcttcccttc ccaaaggaaa ccaatcttgt 420
gctggggggg cgccttccct ccacacagcc acgggttcgg acagttccct gtcc 474
```

```
<210> 50
<211> 343
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. AA025166
```

```
<220>
<221> unsure
<222> (1) .. (343)
<223> n = a or c or g or t
```

```
<400> 50
tttaactaaa atggtcactt ttaatgggaa ccagaggtat agttacaatt acatagtccg 60
acgggggggaa acccttgggt gatcaggaat ggggaagggt acaaaataac gagggtaaca 120
cttggtgtaca ggacaaaaag ctgttcacaga acctngggag ccaggctaata taatacggcc 180
tctccctgcg atcctatctg tgetcacccc tggaatccat cttgccaggg ccaaagccac 240
ctctntcccc accaccceng cccctcggga agcctccacg gtccccgctt gcanccccgg 300
tangccgcct ncgatcataa gentcctctn gncaccactg acg 343
```

```
<210> 51
<211> 456
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. AA025277
```

```
<220>
<221> unsure
<222> (1) .. (456)
<223> n = a or c or g or t
```

```
<400> 51
tggcgggtgt gaaatcaacg tgcttcttta ttttttaaac tagataggct cattctactg 60
tcttctccag ggctcttcta tgaaacagtt acaaacctac ggccaggcca ggcagtggct 120
cacacctgta atcccagcac tttggaatgc tggggcagga ggatcacttg aggtcaggag 180
ctcgagacca gcctggagta tagggagacc cccgcccccc cccgccatct ctacataaaa 240
tttaaacatt agccagggtt ggtggcctgt gcctgtagtc ccagctactc aggaggctga 300
gatgggagga tccgcttgag cctgggagtt caaagctgca gtgagccatg attgcaacat 360
tgcacttcca gcctgggcca cggagcgaag accctgtctc aaaaaataaa aaccaaacc 420
tactgncagt ttccccaggg cttcatgcct cagcgn 456
```

```
<210> 52
<211> 358
<212> DNA
<213> Homo sapiens
```

```
<220>
```

[illegible]

<223> n = a or c or g or t

gccaatctgc	tcaaacaccc	agttggaaca	ggaatgcctc	gtggactggc	tttaggagtt	60
taatctagat	ggtttgctgt	ttctagcagc	agagcacctg	ttcagactct	acgtatatgc	120
acccatgaat	ggtgcagctg	ccaagagaac	caaagctaaa	tgtttggcag	atcacagcga	180
gtgtggaggg	gaggtcacta	ggaattcccc	ggagactcag	tcgttaccca	ctcaactgga	240
aggctgagca	tggctttttc	ctctgatggt	tacctatgcc	angggcccac	ctctccattg	300
tccaatgttc	tttcttttat	tgtttgtttg	tttgtttgtt	tgtttgtttg	tttagaga	358

<213> Homo sapiens

<223> Genbank Accession No. AA026030

tttttttttt	taccattctg	gtcacaact	ttaattgatt	gttttccctc	cacttgggcc	60
caccgggtcg	gcttacatag	ctcatagctc	agtgtgtgtg	aaatagacc	agggcaagaa	120
aggtatgaac	aaccagtgaa	tgccactgga	gcataaatgt	tcacaaaatt	gtagagaagg	180
ggtgacaaga	agcaagcagt	ggggcagggg	gtgtcactga	tgtecgaaac	cccgggtcag	240
accaacacgc	agcacagcca	ctcggccaga	gagagctgaa	ccatgccatc	cttgtcttcg	300
tccacaaggc	tgaatagttt	gaagagggtc	tccagtcgga	tcatacaagc	cacgaagctg	360
tcaaagttga	tgccaagctt	tgctgcacgc	ataccgcagg	gcaatgggtc	gctgcacctg	420
gctgttgagg	gtgaaacctg	gccttctctg	gggctgtcct	catctcgtgg		470

<213> Homo sapiens

<223> Genbank Accession No. AA026092

<223> n = a or c or g or t

gtggcatgca	gacttgattt	tgctatgga	taggggttaca	tacttgggggt	ttcccccta	60
ttattaagg	atgtttttgt	gatcaaggga	tgaggcattc	aggaggaagg	ttagggaag	120
atgctcgcat	ttatctanca	ttgtatcaaa	gttgaggga	gcagctaaga	ttaagagttc	180
catagacttc	tgctgtttgc	acctccttaa	agcgatacat	tttaacgttt	tcctcagcag	240
gagcttgat	ttacaatga	atccagaaaa	aaagagaagt	cataataaat	cacaaacant	300
atgaaaaaca	aca					313

<213> Homo sapiens

<223> Genbank Accession No. AA026150

```
<400> 55
ggagactgga tatcatcttt aattaataat gccacagccc aatgtctttt ttgttgctgt 60
agcaaatgtg gattgtgtgt gcgtgtgtga gtgtgtgtgt gtgtgtgttc ctgaacagat 120
gaagggccag cagagactcc caagcaggtc tcagccaaca actctgttga gcagcaactg 180
gaagatagtc tccatagagg cacagaggcc agacttctgc ctctatggc attgatcctc 240
tctcctgggc cacctttcgt gcattgaggg caaggctgag gcctgtacca gccagatta 300
aaggacttct aagcacaggt cagcctccag ttcccagtac tctactggcct ctgaccagag 360
ggatgccctg ggtagagtat agacttccag gcagagg 397
```

```
<210> 56
<211> 335
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. AA026270
```

```
<400> 56
caagtttcaa tcatttaatt aacatcttta aatgaaacac agttttcttc atgtgtctca 60
ctcaggcttc agggcagagg gaatggattt ttagacatat caaagactca aaaattttaa 120
gaaatatata tatgtatata tatacttcta acattttatg gaaattaaaa atcagaggct 180
tttggtctct ccattttactc taggtcaagc tcattttacc cagaggacaa agaagggctg 240
cctcttctag accctccctt ctcttttgct ctctgtccca cccagcaggg aaacaagctc 300
agaagatcct aacaggatag agttccagta atgtt 335
```

```
<210> 57
<211> 287
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. AA026356
```

```
<400> 57
tttttttttt tttttttttt ttctatctgt gaaaaacatt ttttctgaga atctaaaatc 60
tggacaaaagt actggacttt agaaaaagcc tacacaaaat tgtctcattc ttccctaata 120
cattaataat ctaagaataa ggaggtgaaa aaaacccttt aaaaataaca ttgtccagt 180
ttgtctgcag gtatgtgatt taaaatatcc ctgttttatt gaggtatagg ctgcaaactt 240
tggtaaaatt aggaaaaatt aacaaaccct ttcaaaaagaa aaaaaat 287
```

```
<210> 58
<211> 434
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. AA027766
```

```
<220>
<221> unsure
<222> (1)..(434)
<223> n = a or c or g or t
```

```
<400> 58
ggttgtaaat atttatattt ctctcacata caatgttgta tgagacactt gttttaatat 60
gtatccatag gattaatact catatggagt ataatgtgga aaagtgcaga actaaagaaa 120
taagtctatc cgaaaacaaa agcacacatt tctcaggatt taaaaatatt gcacatagta 180
aggttgacac gaaattactg gctggtttta caaacagaat gaggtatcag tcaatctcta 240
gataaagatg agagagaggn tatnctacac acacacaanc acatttntcc atnctaagac 300
ccagagtgcc aacaacttng aagaaatntg aaaaagtatg ttagtagtnt gatttcaaca 360
```

cttcaaaatc attttnggnt gggacccnac anatacaact ctngggaaat tcgngaaagt 420  
ttcanctttt ccag 434

<210> 59  
<211> 392  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA027833

<220>  
<221> unsure  
<222> (1) .. (392)  
<223> n = a or c or g or t

<400> 59  
tttttttttg ggtgcaagga acatttttatt ccataactgt ctccaccgaa gccgcagaag 60  
caaagccagg agcagaatcc attctgccag cgctgggctc tggggagaca tctgtgccct 120  
caccatggag gacagaaggc agggggctcc gactccttgg tcctgcctgg ggtgctcctg 180  
tccctctttc ttgctggggg acctacccca cctcctccct cccacctcag ccacagagga 240  
acaagggaga caaactgagg gctctgcagt ccccggttcaa ggccaacata atagtcgtgt 300  
ggccccagcc cagctaggcg catcctctnc ggcatggcag cggtgaccaa gcacagccaa 360  
cgtcagctcc gctccctgcc gtctgagagc tg 392

<210> 60  
<211> 386  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA027946

<400> 60  
aagagtcat aaaggtggga gccaaaggggc cagagcaaat caaaagctgc aaaggcgcca 60  
actctggtct ccacactatt tattgagtag aatcacttag atctaagaag cagatgttca 120  
ggggtgaaac agtgaaaggg gggcaatggc agtttaggta cattttcttt gtgctgaagc 180  
agcataaact taactactga tttattcttt tacttatcag agagcagctg tggggagtgg 240  
gcctaactag aagccagcat atctggccac attccaatgc ttcaaaggag tgtctttctc 300  
cttgagcaca gtgtttatag ataagagagc aggtcacact ctggtcatag gaacgtgatg 360  
gcaattagga ggctttcttc ctcagt 386

<210> 61  
<211> 484  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA028103

<220>  
<221> unsure  
<222> (1) .. (484)  
<223> n = a or c or g or t

<400> 61  
cagttgtttg tttcctttta ttaacatcta aatagattat acatcttcta taattataat 60  
atggaaatgt atatgagcaa aatatataaa ttttttggtg actgcttagg gaagaatgat 120  
gtcagtgaag ttcattccaag gtcttaagca gcagcatcta tgcagccagg gcgtgggtcag 180  
cgtttgggga cagaggtaaa tatccgcaat ccatgcatct ctttgatttc ttcttttagt 240  
gcctgattaa ccatctggtg ctgctggaca gttctcttct ccttaaattc ttctgattca 300



```

attttaattt catacatccg cccacacaacc tcctgaaatg tcagtgactt ttatagctgt 360
agctcgtggg aaacttttct tttgagaatt tgggtcactc tgagctcccc ctgagtctga 420
gtggcaaaca tccgatggtg aagtggaagc ccgcggatcc cgnaagggga gaggcgctgc 480
gcaa 484

```

```

<210> 62
<211> 322
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA028132

```

```

<220>
<221> unsure
<222> (1)..(322)
<223> n = a or c or g or t

```

```

<400> 62
ttttttttt tgggagaccc atttaatgtg gacactcaag gcctgggagc agtggggagc 60
ggccaggagt tgggtgggca ggcaagtggg tgggttgagc gccactctt ggccccagga 120
ngnatgccag gtggtggggg ctggcccagg taggcaagg ganncccagg caggaagggt 180
ggcccangca ggcagaccca ccaggggtcc ctgaaggcca gcccttgaga aggtgtctaa 240
agccaagggt gtgagtggc aaggccanga gcctaacca gnggaggcaa nggtttgggt 300
cccgntttgg gggctcttng ag 322

```

```

<210> 63
<211> 402
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA028976

```

```

<400> 63
gtgaactgag ccacccactc ccaaacagga aaccctggtg aaggttcagg aagcacggag 60
attctctcca acaaaggtcc agttaggaaa cgacgtgag aggatgacga caacgtgcaa 120
cagcagaaa atgcttgcaa gcagagtcag ggtcaccagt gaatgccaca aaagttctct 180
ttccactgt ttaatttgac aagagaagaa tttgaaggat atgaacattt tcaagaactc 240
tgctgaggtc acttagagcg ccatcacaac ttatttgtgt gactaattgc ctagattgta 300
agctctttga gggcagggct tgtctcttac acatctttat aatccccctgc agcggtcttc 360
agtattttgt acttgtaggc acctaataaa tttattattt gc 402

```

```

<210> 64
<211> 424
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA029215

```

```

<400> 64
gacagtagac aatgttggtt atttaaaatg tttactocaa gaaatatata tataaaaaaa 60
ataataagac aattacagca ctaaaccagg caccttcgac caaatcaca cctcctcttt 120
gattccccct cagcctaagc ctctttcaca ttcttttcc tgagctggaa gaccagtcag 180
atgcccgag tcaagcgcca agcacattcc caaccgggca actgtgtacc tttctctagg 240
agtgcacgac acccttcccc cacaactcct tattttaaag gatttaaccc attaggaagc 300
ccatgtttca atctaagcca gaaggagctg cgggacaagg cagtcttcac tttgaaggtc 360
cctttcctgc tccagtcctt ggggctaggg ttctagaaga ggctggctgc cacgtttaca 420
tgag 424

```

<210> 65  
 <211> 485  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA029288

<400> 65  
 acattttgcct gggtttttatt gaggtagatct ctcacgacaa aatcatgaat attacactga 60  
 aaggccttatt acattatctt tgtgtagtta ctctccagta taaaccctgt gatgttccgg 120  
 ttttgatgcc tgggtaaaag ctttaagcatg cacgttacat ttgtatggtt tcatcaaaaa 180  
 agtttttgat gcctagttagg actttggcct gcggaaaatc tctatcacat ataattatta 240  
 taaatgctct ttagtatgga ttctctgatg ttgatgaatg tttgaagtca taatgggttc 300  
 ccactctcag tgtttttggt tctctcaagc atgaattttt gcaatattgt acaatgtgag 360  
 aattgtgcc gaagaccttg ccacattcat tacatttggt aggtttctca ccagcaagaa 420  
 ttctttgaag aatcctgggt tcagatttta ctttaagacc ttgccacatt cagtacatta 480  
 gtaaa 485

<210> 66  
 <211> 422  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA029356

<220>  
 <221> unsure  
 <222> (1)..(422)  
 <223> n = a or c or g or t

<400> 66  
 gctctcagag gacaagaatt atgtttttatt catttgggag tacataggcg gtattttaaac 60  
 aatggtgcta tcttaaacac caaatatcaa ctgcagttca ctttttccgt gtgggggacta 120  
 atatcaagat ttcatatgaa ttatagtata atccagaagt atgaaaaaat acatcatatt 180  
 taacttataa agcatttcac tgcatgttat aagatattac agtaaataca attaggtact 240  
 taccatttta tctttacttt aaaaacaatg cctnttccaa aatataaaaa aaagacctat 300  
 ttttaaagan ctattttaag atngcttttg aaaacaacac ttttatntta cnacaaatag 360  
 atggtagtgg caacagcact cgtggatggt tacngntaaa taaaaatacc tagtattccg 420  
 gg 422

<210> 67  
 <211> 186  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA031360

<220>  
 <221> unsure  
 <222> (1)..(186)  
 <223> n = a or c or g or t

<400> 67  
 aaaattttaa ataaaatttt attttatctt atactcaagt tcagacaata gcatgtggtg 60  
 tacattcaaa atttttgaca ggtacagagc acattaaaaa atgaagacat gatcaaggag 120  
 atgtaagaga caaatagaca acaacattct cctgaatct ggaaaaaagc nagccnttag 180  
 ggtnc 186

<210> 68  
 <211> 501  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA031543

<220>  
 <221> unsure  
 <222> (1)..(501)  
 <223> n = a or c or g or t

<400> 68  
 tttttttttt ttaaaataaaa atgtttttatt tgtaaattat gtacagaata cacttttacgt 60  
 tacgccaatg aaannngnnn ggaggaggga gagccatcac cttccaacaa atgctgttca 120  
 ctttctctgc tggagacgac catctttctc tcagtcagac gtacaaatca gtgtggattt 180  
 cctacattgg aaaaataatt tagctaaacc agaagtgttg ctgcattgtt actagttggc 240  
 ttgtttccac aaaatagttt tgaactctgc taactcagaa tcttaaaaga aatctcctgg 300  
 tataatttta taatgaaaaa taaaaactat caaggacaat gagtttacac atcttaaaga 360  
 aactgtgaaa tggctacata actatgcata attgtgaaat gttggagttt ccttgttccc 420  
 tttaaagggt atntttgatt agtctaacag taaaaagcca taaaactatc caaaattgcc 480  
 attaatgtaa atccnctggg g 501

<210> 69  
 <211> 464  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA031548

<400> 69  
 tttttttgaa agggaaaaaa attttttttaa ttacaaactc aattcatttg gtgcatttca 60  
 aaggtgcaat acttttcttc atttatcagt gaaagaagtt agaaattaac ttcccaaaaa 120  
 aatcagcaaa tggcaaacaa atgtccttga aagtcacagt cacatatagt gcgtcctaga 180  
 aaagaggagg ggcaagatgg gtcaccacca ctttcatgag ttcatcaaa tactggatct 240  
 actcaagggt ggagagaaaa ggcaactttc aaaaaggagt atgttattaa atgaggcatt 300  
 tactatactc cttcctaaga gcaccagatg gggaacatgt tttctaaact agatctagga 360  
 agtggaatgt ggaatcaatc cgtcctcctc cccttaaggg ctaaccactg gttaatgaat 420  
 taaaaaaaaca agactaaaaa acaaaccctc acacacactc cccc 464

<210> 70  
 <211> 164  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA031814

<400> 70  
 ccataaagca gtttattttt cttaaaaagg aaggtagatg gtcacagtcc aaaatgtttt 60  
 atacagctct cagcctggaa aatgcaactg atgaaaaagg cactgtttct agaacaaatg 120  
 gaaaaagaat aaatatgtca tcattttacc tgcacagctt tgag 164

<210> 71  
 <211> 313  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA032005

<400> 71  
gatagtgtt tgtctttatt tctgatgccc atcttcttca gaggttaaga agaaatgaca 60  
ctgatgtaca aatgactcac caagggactc tcacctgact ctacccttgc aggggtggaa 120  
taaattccctt ctattttcaa gtctatttgt cccatttctg tttagacata atttgaaagc 180  
cagcttgga cttgtacttt tcaattatgt taacgtaaaa tactcgtaac gaatgtagta 240  
tgagtttaaa gtgagctttt cagatcctat aagtgcattc taagtaatga caggctttta 300  
gataaggaat ata 313

<210> 72

<211> 550

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA032048

<220>

<221> unsure

<222> (1) .. (550)

<223> n = a or c or g or t

<400> 72  
angattacca gctccggacc cagtgagggg ctgtcgcagc caacaccccg gcctcgggct 60  
tcctggtggc agcaccaggg gacacacctg ccaaaccac cagatggagg ggccctccct 120  
ggtctctggc caccctccca gcctctgccc agggacccct gccttcccca ggccatctcg 180  
ctctgccgtc gacactcgtc tcagaagccc ctttccaga agaggctggt cttcaagaag 240  
tctcgtttct ttgcccctga agtcatgttt cagggaagg atgtgaaatt tttccgtgta 300  
gaggttacag ccttttatgc tgttgagctc ccaggtaacca aaaagcttgg gccaacgctt 360  
gccagccagc cagctgcagg tggcatctgc aggaaggaag cgccagcttc gccaggccag 420  
caggggcgtc gttttgttgc cttttgttgc aacgttatgg gtttatgggt gttcctggaa 480  
cttgtctttg tgcattcggt gctgtttgtg ttacctcac tgtcccatgt tccaccacg 540  
tctacggcan 550

<210> 73

<211> 491

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA032250

<400> 73  
aataatactg tcatgtcaca gttggtctat aacaagcatc acaaaaatgt caaataatct 60  
gtgccttgta aaatccacta atgtaacatg aaaagcaciaa tttgacatca acccgtgcag 120  
tgaaccacgc tgtgttacta tagaatcctt atctgctctt tggaattact gatctctcaa 180  
aatctgactc agtttacttc tagcccaaat ggaaaagtcc tcaataagcc aggaacacgc 240  
cctccctttg gatgtgtgtc tagtctacaa aggatggcct tctggggtac catcttgtgt 300  
ctcccagacc tttccctgtc tccctcagtg tctgtgcccc acaatacaac aaaggccacc 360  
tggaacacatc tctccttacc tggaaaccaa agcagctctg cctccatgcc tgccttgggg 420  
agctacctgg gcagacagct ggaaaaagca agaggagacc caggctctag ttccaggcca 480  
gcatgcaggc t 491

<210> 74

<211> 106

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA033790

```

<400> 74
gcagggtcagc aacaagttta ttttgcagct agcaaggtaa cagggtaggg catggttaca 60
tgttcagggtc aacttccttt gtcgtggttg attggtttgt ctttat 106

<210> 75
<211> 433
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA034030

<220>
<221> unsure
<222> (1)..(433)
<223> n = a or c or g or t

<400> 75
aaactttttt tattttacat tctggggaac atgtgcagga tgtgcagatt tgttaaacag 60
gtaaatggca actttccttc tttagttagc aaatctttca gtaagcaaag tacagggtgtt 120
ctctgtgata tttttatttt tgcaatttat gtttaaggag caaatctatg caaggtagca 180
tctttctaga tcnggaaagt tgaattcatt ctatatcaca gacctacact cacagttgac 240
atcaccattc tatgacaaaag ccnctaacta caacccaagc actntttatt taaaaggaat 300
gttcatcaac atccactctc cttggtcttg agccaagccc agaaataaca aggtcagatg 360
gtcatgatca ggaagaaagt aaactcagac ttngaagaaa tatactggcc aattcccat 420
attccacccc ggc 433

<210> 76
<211> 387
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA034365

<220>
<221> unsure
<222> (1)..(387)
<223> n = a or c or g or t

<400> 76
tagcagttca catagtttat tcagcaatat aacaggagag aacctccatt gtaagagaca 60
taaggcagat acagggtgca tctctggggg acattcttca tacagactaa caaataactt 120
cagggtttcac aacatgtagc aagtatgatt tgttgccacac caacagccat tcattcctca 180
cgttttcctt gctaaaagag ccctggtcag gcacggtggc tatgctgtaa tcccagcact 240
gtcggagggtc agggcagggt gatcatctga ggtcaggagt tcagccattn tttttgnatt 300
ttttatagaa gaccggattt tcaactccaca gggtattgac nttaagtggg attaacatgg 360
acccattngg cacctaaact ggctnng 387

<210> 77
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA034378

<400> 77
gagtaacatt ggctcgttta tttcacctgg gtgcaggcgg gctgagtcgg aaaagagagt 60
cagcaaaggg tgggtggatta tcatcagttc ttataggttt tgggataggc gctgaagtta 120

```



<222> (1)..(173)  
<223> n = a or c or g or t

<400> 80  
gcaganactn gagctttatt tacaaacttc cacagaatcc ctcaccctcc accccagggg 60  
cctccctctc tggaaactcag gcagcagaca agcttggggc caccacactg cccaacctag 120  
gacagctggg cctgagctgg gcgggcaggg gattccatct cctgggtggg gct 173

<210> 81  
<211> 417  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA035540

<220>  
<221> unsure  
<222> (1)..(417)  
<223> n = a or c or g or t

<400> 81  
ttcccaaagt gctgggattc caggcgtgac acccgcgccc ggcccacagt tttattcttt 60  
acaggaggtc agtgcccatc atgttccttg tctacagaca aataaaaagc tgctctctcc 120  
agaggggagg canagtcctg atgggtccag gagaccaga agcttccagg agaccttcag 180  
tcccagagtc ctttcagtc tcatcttctg agtctgactc ttctgtggac tcagatgagc 240  
tctctggcaa gtcgtctccc atctgctgga accttcccga ctgtgaatcc cacatgtatt 300  
tgatgggtcac cttgaattca gccatctcat acccaaaaag cttcaggacg cgagcctgct 360  
ctgggggtcag cacatcgccc tccttgacac cctcgtaagt cagacagcag aagtcac 417

<210> 82  
<211> 458  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA035638

<400> 82  
aaaatttgaa caagtattta tttcttaaaa tttacttaag ggattagagc taatatataa 60  
tagaacattt aatataacat ttggagttat gtcaacataa aaatagctgt gggtacaatt 120  
agcacatgca attcactgca aaggtaaaaa tacatgctat actctagaca agccttccaa 180  
atgaagttag agtagatggg gtaaaacagc aagtgaacat gaaaggattg cacttagaag 240  
aaagtgggac atagctagga tataaaagaa acatacctaa tgctagtcag tctactgcatt 300  
gtcctactag caaattgcac atttatTTTT agagtatatt caatacacat acatatttga 360  
gactagagaa ttttcaaata tctacctttg aaatatccct ttggtttcta acacatcaca 420  
ttatgggtatt aatgtaacag cacttaaaac ctgtagtt 458

<210> 83  
<211> 444  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA036662

<220>  
<221> unsure  
<222> (1)..(444)  
<223> n = a or c or g or t

<400> 83  
acaccggcaa cacataactt tattggggttt cttgagctct gtttataata ataatatgaa 60  
nacnccnggt nanaagctnn angntngana angcannnt ncannntcc cgcccccaa 120  
aagcatttac catatgcaag gcaccatgtt aaacacttga gagatccaca acaatacata 180  
aaacaacatt ccaaattcat gctgagcact tttttctgaa acacaagaac aaatctgaaa 240  
agttagggtat gtgactgtcc caaatTTTtg tattatcata cagtgcagga agaaaacagg 300  
gatagggttta tcccttgaat ttatacaact tcccattgct ggactagtna ggttttcatn 360  
gggaattttt cttctccttt taaaaaaggg ctttaatggt ggnttttcca ttngggcacc 420  
taaaaaaaac ccccccncc ccaa 444

<210> 84  
<211> 393  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA037058

<220>  
<221> unsure  
<222> (1) .. (393)  
<223> n = a or c or g or t

<400> 84  
aaannnttac aaatattcan attttattat aaataaaata ctgtttttct taaaacataa 60  
aaatgccaan tgttgcatTTt tattaaccac cccngaganc aangctgtag anattaaggc 120  
aaacagctaa agtgaaggca catataaaan gtccacantt nnaattcaaa ggaaaaaaat 180  
tcagggaaaa atagcagtat aataatccct gtgtcaacca gcattctgca ncanccatcc 240  
tgtcaattac attacataaa atacagataa ctggagctag acaataaaat aatggctgtg 300  
ttgcgggagt gtaatttaag gtatcatctt gtaagaacc ttttatttta aaaaataaaa 360  
ttctgcttaa aaaatatacc acacaggTgg gng 393

<210> 85  
<211> 273  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA037357

<400> 85  
ggagataggg tcttgetatg ttgttgccca ggctggTctt aaacttctgg cctcaagtga 60  
tcttcccacc ttggcctccc aaagtccTtg gatttcaggc accagccacc atgcctggcc 120  
acaaagacta ttaataagg aaaaatcctc aaaatgttac ataaagatca catcaca aaa 180  
cttttacata cagtgttatt ctgatttatt tttgaagggg taaggagaag gaaaatatat 240  
cacttttaaa acgtggaact ttcaatttgt tgt 273

<210> 86  
<211> 498  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA037433

<220>  
<221> unsure  
<222> (1) .. (498)  
<223> n = a or c or g or t

<400> 86



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ttcagttcaa tacagcacac ctttattgag cacctaagga tctangctgc canaggaggg 60
cagagtcgac aaaacagtgg gcaggcctcc cctgcagctc tctgtgtctg tgatgatgga 120
gctgggttgg ggaaatcctg ctgtgacatt tgcctgacg cagttccgca cagcatggtg 180
gcttccaagc tatgctcttg atgggcaccc gtaagagctt ctacatgcat tagagatgga 240
gcctctccta tctttgcaag cttttgtggt tcttcccttt aaatctgcca tccacggacc 300
tcaacaggag aataatttgg tcttcagttt gctctgtttt agacaaatac ttcacatgga 360
ctggatgtaa actgttgcac agtttcgcaa aggccttctc attcattcct gaaattctcc 420
atcagtcaca aacacaaatt gttcagtatc tggggaattc aaagcccttt cctcaaaaaca 480
gacatttctc ctctgtgc 498

```

<210> 87

<211> 551

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA037766

<220>

<221> unsure

<222> (1) .. (551)

<223> n = a or c or g or t

<400> 87

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ntacattatg gaaatttatn cctcctgaat gtataaggca ggagactaat tcaatatata 60
ttcactatgc agaattctac aagttctggg ctatgtgtaa atgtgcccc cttccctcca 120
ttatcaggat gtttaaagtgt gtttcccttt tttcatttaa aactttgctt agatgtttta 180
cattgccatc acctcttctc gagaaaaagg tgtgtccccc accccaaccc ctaggagcca 240
ngcagactat ctttctgagg ggccacaagc acactcccac ngtggagaac aagggcagtg 300
gatgaaggga acggggattt ttcaaactaa tgttttccct caaacaggcc tcccggcgcc 360
ngttagactt gaagcaatga catctattaa aatggggacc ccagctgggg gttaagaatg 420
ttngtttaag aatgatgacg atatcttgaa aagaaattct tggctgggga tggngtaggg 480
ggaaagggaa aaaaattaat tattttgact ttcccattgg caatgcttgc tacgtttaat 540
ctgattgcat t 551

```

<210> 88

<211> 456

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA037828

<400> 88

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tttataatta gaaacacttt aattcctagc cacttggcag cacttaaata tcagagccat 60
ccaagcatgc cagcctttga acttgctcag caagagtaga tgatcacaca actcttaagg 120
taaatacaaaa ttgatgaag gttatttatt ggtgtgactt ttttcttta gtgagcttcc 180
tttacacagc atgggtgtaa tagcatcaga ttgaatgaaa agtttgtaa atgcaaccat 240
aaataattat aataaatata catcaagtaa ctttacagca cacatttttt agggccaagg 300
tttgatctg tctggacctc aatgtgctct cggagaagca gccacgttag cagcagatac 360
cttacagctt gtcactact caagtgatgg ccaacagaag cttctgaact cctcccgggg 420
agggtagctg acaaggcca ttcaagggga tgagga 456

```

<210> 89

<211> 452

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA039335

<220>  
 <221> unsure  
 <222> (1)..(452)  
 <223> n = a or c or g or t

<400> 89  
 ttctcagcat tttcaaagca ctttattgag ttcttgccg atcctgngng angctggccg 60  
 cactggggga atgggacaca atcttgccctt ccatgcccc gccactctct cactgcggaa 120  
 tcaccaagga gggaaagatg agtccctgag caatcaggaa acggtgtgct cccggatcca 180  
 ggccaggtag tagggcacat cgggtgtagac gcctggcttg ttgcggtcac cacagcccga 240  
 tccccagctg atgatgcctt gcagggtgag ccggcgctct gcaagcttgg tcctcacaca 300  
 ccagcgggcc tccggaatca ccttggcacg catcggtgcc gccctcgagg aacctgcgc 360  
 agagcatgcc ggggaggatg gaggatccgt gcacgtccgg ggctgagcag cgctccaggg 420  
 agaggaacgg tacctgcgcc ttccctcgtg cc 452

<210> 90  
 <211> 428  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA039616

<220>  
 <221> unsure  
 <222> (1)..(428)  
 <223> n = a or c or g or t

<400> 90  
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 agtttaaatc aatgtcaaca gataaactcc atgaaatgaa agtttgtgct gtttgatgaa 120  
 tcacagtatg ttatggttaa atatatccac tcttttttat attcctggca ccaggatgaa 180  
 aaaaaaaaaat ctttaaatat acctcttatg taggtaatag cttctttgca tatctctctt 240  
 caanaaatat tttatngcag tatataaata gggttaccta cacatttcat tttataattt 300  
 tgtcccaaaa ctatagatct gtttcatttt catgacatat caatttttgc ccaacattaa 360  
 taaagctgac aaactcgggt gaaatgggaa atngcttttt gtcttccac aaaaaagta 420  
 gcnatttt 428

<210> 91  
 <211> 457  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA039806

<400> 91  
 gagattgttc tcattttcaa aatcgtcaga caccgatttc tctgcgcttt tcttgccctg 60  
 tgtcaggaca gggaaaagct atgcaggaga catggcctct agctctgttc aactgtcaat 120  
 tctgctgggg accctagata aatctgttaa cctctctgcc ctcagtttcc ccatctttta 180  
 ctcgagagtg tagatctaaa tgctagaaga gtactaaggg actcttccag ccactttttg 240  
 gcagggatca gacttcggag agtgaactca gggagcaaag aggtgaaact ggagcagtgt 300  
 gaggggttaa ggggaaggcg ctggcggtgc cgagcagggg agcacgtcgg gggtagagca 360  
 ccagggtctg aggaatcggc tggccacag gtggcgacc tgggaccctc tatgtcaggt 420  
 ggtacatgct gtagccaca tgggccgtgt agagtc 457

<210> 92  
 <211> 471  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA040087

<400> 92

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catttttgtgta cacaaggcca aggtcttggg ccacagacaa ggctatagat cctacgttcc 60
agcttagagc attcagcttt tttttttctt tttttctcca acatggaatg tcacacagcc 120
ttgcttcagt cactgttaat actagaacaa aataggcttt cctgcagttt tttcttggac 180
gtaagaagta aaacgtttta gaaatttagg atactctcgc tttgccactg cccttaacac 240
tgaggctggg gcccatcctc cagggttcac attagctaca tatgtaatct tgcatagaat 300
gttgctccctg ctaatttctt gggttccctc tgggtgggctt accaagggtt gacaaatcat 360
agcaacattt attttggcac ggacacatcg gttgtttaga ggagcactgt catgatccac 420
agaaaaatta caaactatcc aagtttcagg gtcattttca gtcaaggctg g 471
```

<210> 93

<211> 440

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA040270

<400> 93

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gagatattca ctttattgca gtggtctgaa actgaacca caataactac aagggtatgct 60
tgtaaatacc ttatttttaa caaaaagtga aaatgatttc cctgttattt actaacaat 120
agaccagaca tttgcatcag acagtgcagc taaacttctc tgatcacctc tcaagagaca 180
tctcccatth ctcttttgac tctcctcaag atttctctgta agaccaaact ttatcttcca 240
tatgtctcac aggtcagtg tcatataaac catcagttat acaacagcaa tttaatgaat 300
ctcagagtga agacaaattg ccggtttctg agtagagggc caggataggt cacctggata 360
ctcattgaaa ctaatgattc tcaacttctc ctgccttcaa ctcaccagag gaatattaga 420
catccacttg ttagtggttc 440
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<210> 94

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA040291

<220>

<221> unsure

<222> (1)..(463)

<223> n = a or c or g or t

<400> 94

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tttttttttt ttcaacaaaa ctgcagttta atttcagaaa atgttaaaat atatatttat 60
acatcaattt ctgacataca cttaatgtgt tagtatacac aaaatgatgc tttcttttga 120
aactgtattt angaaatgta catttttaatt taaatactca gtatacactg cacttaatct 180
gcatgttgca tttattaaat acattaaaaat ctgcaatgta acaaaaacgtt ttctgcatac 240
gaaattcaaa acaccatttt aaatgaacaa aagatggctc actttttttt tttttttttt 300
acaactagng tatngtacac tagctcagct ccaccaaact acctgntcgt tcncctttat 360
ttgacattgg ttcacagacn agtacatatt acnataagag tgcnggataa aaacctgngg 420
tacgaaagtg ggttcccagg ntttttaggn cctggcagga tca 463
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<210> 95

<211> 325

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA040465



<220>  
 <221> unsure  
 <222> (1)..(590)  
 <223> n = a or c or g or t

<400> 98  
 atatgcttgc aggttatatc ttagtgcaat tcagtcccaa atactttaat tttgaaaaga 60  
 aaaaaaaaca tacatttttg aatgtaaaat acccctacag atataaacag gggcgtttcc 120  
 cctcttaata ctttggtttt caatacagtc agtggtatag caaagactac acatacccaa 180  
 cttatattta agttgcaagc acatgctgta taagctactt tttttaaaaca gtccccttgc 240  
 aaactctacc ccccttaaca tcacaatagt aaacaattta gtgcatcaat cgtttaaaaa 300  
 atctacagct aaacagacct aactctttca aattttatcta taacattcct ttatctgtag 360  
 catacatttt aactgggcta acagattata aaaactagaa tttaaattata tactagaaac 420  
 ccagagcatt ccacatttga caatgaccaa aagccaaaaa atataaaata aaaataaaac 480  
 aaacccaaaa taatggggcg tttccctttt aaaaaataaa ttttagctgc ntctcggnaa 540  
 tanccaattt aggncccaag tggggcgcca tctattaaag gnacattagg 590

<210> 99  
 <211> 417  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA043790

<400> 99  
 cttagtatat actttaatgc atgtttatgt gcaatcttgt tagtgggtat acaagtttgt 60  
 gaagaacttc tcatttcaat aggcagttaa tgtaatgcat taaaagcctg ggaatttggg 120  
 gctatatttt tcctttctga ctcaataatc ttcaaagaat tcataggaaa gtcagtactt 180  
 gcagacaaagt ggtagcttg gctaaaatgt acaaaacacc cagaaccac aaaacactca 240  
 gaggttttagg agaatgtttt aatgcttaag aggcaggatc aagtgaaaga ggttacagaa 300  
 atcagtgtct ctggctgggc agtcaagaga gcgggctcaa attctgtgac tcacttctct 360  
 gtgtctccgg ttgggaaatg gaatggggta tcctgggttc ccacctttcc ccacacg 417

<210> 100  
 <211> 444  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA043944

<220>  
 <221> unsure  
 <222> (1)..(444)  
 <223> n = a or c or g or t

<400> 100  
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 tgaaaggcat aacagtttat attgtacaaa gcatttgaag aaagtacctc aacttgctga 120  
 ttattttcaaa atgagattac aaacaaaaag aaaacaaatc tggttcctca ataaagggca 180  
 aaataactga atacagtctg ttatttactt ctctctttta acataagggtt gggaacactt 240  
 catttttaca ataggattaa catgaacata acatcgacac agcttgcaga caaccagcat 300  
 aaaatatgga gtacagtttt taatcagaag aatcatgctt ccatgaaaga aattataatc 360  
 gtttatacaa ttgaatcgat ttcagtatta caaaaactaa gttgcatcta ttcgtattta 420  
 gttcattaag aaggaaaacn aaac 444

<210> 101  
 <211> 398  
 <212> DNA  
 <213> Homo sapiens

[illegible]

ggaaacgctg accagtttgt gtgaacgccca tcacccacac tcttgaaata tatctggaaa 420  
 gtgccggaag tgaactgggg gatccttgcg tccaaaacag ggatgggctc tgaacgcccc 480  
 accâcggctg tgcacgcggc ctctggtgag gaancgtggt cacgatggct tcagggcg 538

<210> 104  
 <211> 479  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA044755

<400> 104  
 ggaggttgca gtgagccaag atgggggccac tgcactctaa cgtgggcaac agagaccctg 60  
 tctcaaaaag aaaatattcc tgttagccct aaaggcttta catgaggaat ggtagaagtg 120  
 gtcttttgtt taaattagtt gcattcagca tatatgaatt gtcttaaata ttttggggat 180  
 actccccgc cttttaaaca gggcataaga tctggtaaac tctctgtata tcttcctacc 240  
 tttcaaaatc gttcttaggg ttagtcaagt ctggaatata attgctgact ataaagttag 300  
 caattatgct ttttaaggtgt tgtcacatca acctaaagag aaccatctat ggaaggtatg 360  
 gttgaaacat ctgtaggaac acagaactgg gatttcactg agtttaccac atcaactgtg 420  
 tgaactgttt ctgcactgct tgctaattgg ttcactaat aaatgtttac ttataaaaa 479

<210> 105  
 <211> 507  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA044842

<400> 105  
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 aggaagggta gaaaggaatt gaaaattaat ttacactagt tgctacttgg gaataaaggg 120  
 ctttttgagg ggggtatgga tattaaatgt ttctggtata tacttatccc tattaaaaca 180  
 ggcagttggt tctttgaata tgcctaaata acagtattct taaaatctga cagacaagta 240  
 acatgtcaat tacttgatat tccttgtctc cagtaccaca ggccactctt gacatcccat 300  
 gtttgcctgg ataaagtcc tcattttcaaa cagtatacat acttctttgc agttcattat 360  
 agtaaggctt aacctgtaaa cagtatctga tggcccacct ataaataaaa ttcagcattc 420  
 tatttttaat aatttgtatg ccaccaattt gtattatttg tctcaataaa tacttagtca 480  
 tcaatgcaaa aaaaaaaaaa aaaaaag 507

<210> 106  
 <211> 174  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA045365

<400> 106  
 tttttttttt tttatttttac tgcaaagaat attttatttt atacatcact agccatgaat 60  
 ttttgccatt agttactata caaatgctgc ctagtgccat tatccaaata gcacaacat 120  
 tttacgtcca caattcactt ctatagttac aagtagaatt tttcacggag tttc 174

<210> 107  
 <211> 428  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA045481

<220>  
 <221> unsure  
 <222> (1)..(428)  
 <223> n = a or c or g or t  
  
 <400> 107  
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 ggtcgtctta caaaatgaca agaatgaaat ctattggaaa aatttttactt ttacaaatct 120  
 ttataggtaa ttgttcaatg tttgtacttg ttatttgaga ttttaccttt cactgataaa 180  
 gttacagtac attagatcca tgataatagg ttacattatt ttatttgcag agccctactg 240  
 cagtgatattg aacaactcct aaatagatgc cataataaag acaagacata tattgcattt 300  
 aatattaatt tattatccta ataagcaaca tgcaatctat tgaggaagct aaaataactt 360  
 ttggtcccct ttcttaaaaat gtgctggaga aaccaccctt aaaatcactt tcccccgga 420  
 tccngcga 428

<210> 108  
 <211> 397  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA045870

<220>  
 <221> unsure  
 <222> (1)..(397)  
 <223> n = a or c or g or t

<400> 108  
 gtttagagtc taaaactaaa acctaatacat ttngtcacag tgtaaaaaca aatggaaata 60  
 acagctcaaa tcttcaaaaat attactatag cattatgttt aaaataatct acaacaaaaa 120  
 tgtaccattt tcaagcagta ctacattagg agccctttta tagaaaataa tttcttcttt 180  
 acccccgttc cagtgtgaat ctagtattct gttaacattt gtgtggcatt tggagtttgt 240  
 catccccatt gaaggagag ctttctcaga catgaagcaa gggaaacata ctgaatagtt 300  
 ttacacaaat ttgatctggc ttccatttgn cccctcatt tcccaaattg ttaantgta 360  
 ttnggatttg ggattctcaa atggtataag ttggcct 397

<210> 109  
 <211> 383  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA046103

<400> 109  
 gtcttgcaac tgcaatttta ttttcttttg tgaaaataaa caactgggag tttaaattgc 60  
 tccaaaaacc ataaaaacaa aaagaaatac acacagaaga agcatgtgag gtgatgggga 120  
 agggaacagg gtctctagaa ctttggcaga ttgtgctggc acggaccag gtgacaggag 180  
 ccagaccatg gggctggtcc cgctgccac tctgggattg tgaagggatg atcgccactg 240  
 gcaaggacgg ggaggaacac agacttcttc gctgaggaag tggcaggcac cttgagtccc 300  
 tttaaatgcg ggggttggga ggaaaccatt tcagaggacc gcttttctcca ctgaaagctg 360  
 gggtggcga gttcgggccc act 383

<210> 110  
 <211> 509  
 <212> DNA  
 <213> Homo sapiens

<220>



<223> Genbank Accession No. AA046410

<220>

<221> unsure

<222> (1)..(509)

<223> n = a or c or g or t

<400> 110

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cccctggcag tggcacaagg gagggccaac tctcagnagg cggccagtgc caccagcagc 120
aggcccaatg ggtgggcagg ggtcnatgng cgggnaaaaa nannncctnn agctngccga 180
aaagctggcg atntcaggat cctgggcttc gtaggacttg accaagcgag caaacttaag 240
gacaccttcc cgtcgcagc tgaagccata ggtttgataa cctcctgctg gatctgcgtg 300
gccacgggca gcacgaattg cagcatctta cccatgtcgt tgcaggcggt atccccgagcc 360
tcgtccatgc gcactgcatt ctccggggcg gaaaacgctg gatcacctcc gcgagaccac 420
ctttgcttgc tcaacgctca aggcgcgcgg ttggggngaa gcggaccata aggggctgaa 480
antctangtt cnacggaggg taaatggga 509
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<210> 111

<211> 475

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA046457

<220>

<221> unsure

<222> (1)..(475)

<223> n = a or c or g or t

<400> 111

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tntggtaaaaa ggtcaaggtc tcaaaatgct aaatgatgag ggaaagtgta gcaagtatga 60
ttcaattcta ttaaaagaca gaanaatcaa ggtaggcact tgctcaaaac tacgtgagta 120
gtcagagagg agacacaaat tagctttggg aactcccag aactccaatg tgctccagtc 180
aaaatctttt ttaaaagggt cctttgtaaa cattaccctt cccccgatct ctgtgaccaa 240
ggttgccacc tgtgacatgg atttgcagcc tgcagtattg tacttccctt gcttggggcc 300
atctgtgcta ggacatgatg atttttctat gaaagcagct gttctcacca tcacaaccag 360
ccttgaattg gtggcacaac ctggatccaa atagtggctc tggagcaact ggggaatagg 420
cccgggggacc atccaccag gtggcagcgc tgggctnaag caaaggggag tcagg 475
```

<210> 112

<211> 550

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA046674

<220>

<221> unsure

<222> (1)..(550)

<223> n = a or c or g or t

<400> 112

```
taaattgata aaaatagctg tgtactacta attaatagaa aatcattcaa ccaagagaag 60
agtcaagtga atatcgtttg tttatttgct agtgagtttc tttgtaacgt tgattttatt 120
aaatgataat atttggttag tatgtcctat gttaataaaa atgaacaaaa ttaattttgc 180
tatgttcagg tgtcttgata aaataacaat gctccagtg tgttgcttac atttagcact 240
aaattttaac acagggtcag tgagtccagg ttttaacttc ttcatgcctg gatgggataa 300
aatgtaattc attgttaaat taattcatat ttgtatttat taatcactgt gacaacatta 360
```

```
accatttgggt cttaccagga agtgggtcaga ttatcatctg agttacagtt agactgggcta 420
agtgttggtat tagatcaagg ggaatgtcca gtaaacagag aggttaagcat gatggaaata 480
atgaagtggg gtcacaggaa aaacctgact agtgaggagg agcagctgag agatagggnc 540
agtgaatccg 550
```

```
<210> 113
<211> 587
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. AA046745
```

```
<220>
<221> unsure
<222> (1)..(587)
<223> n = a or c or g or t
```

```
<400> 113
tttttttttt gatttgtgaa atagggttag caaaaatata ttgagaataa aaatcagaaa 60
ctggtaaaga aaagccaaat gaaaaaataa tacaaagtta tccccaaat gttgataaga 120
acctagcgag ttcagaagat agggccagggt gagaagtagg cccaaccgg ccaggcctcg 180
aaagtgtctc gcgtaaacta caggttgaaa gtggacgtgt tattggcatt tcattcaaat 240
ccatgaggag aaaaaactac gggaggaaat cttacaacac cattgctgcc accacctgca 300
gggccagctt ctcactagga tggaaaagaa gcgtttctga ggaacaattc acattagtac 360
aaaaaaatga tacagccatt tccaaagagc agagtaatga tcacaatggc agtttcgagg 420
aatccagggt cagtcctcac acgggcctca cccagcctct cccgagtggc gacggcgctg 480
agagccagaa aggggggcacg cgaagacgag ttttngcgac ctttgaaaag cctacgtaca 540
cattcagagg ggtaaacaat tcctttgcc ttactttcct cggccga 587
```

```
<210> 114
<211> 516
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. AA046747
```

```
<400> 114
tttttttttt tttttcagca aatgtttgtt gaatttttatt acttttttaa caaattactg 60
agtaatcttc cttagtaatc atttctgtaa ctcagataaa aatagaaatt tataagagtt 120
tttatttttg ttacttgtaa aagtatatatt cctagagaaa atatcagcag tggtagagac 180
cagaaaaagt aagtgtgtgt gttctaaca gtgattccaa ctcaatgtgt tcagagaaaa 240
cactttgacc ctgtctgtgt ttacagtccc tgctgactgt gtactgtcgt atcctcagcc 300
ttgttctatt tctttatatt agctttacag agattagggt tcaagttatg agaatctcca 360
tggctttcag gggctaaact tttctgccat tcttttgctc ttaccgggct cagaaggaca 420
tgtcagggtg gaaacgtgtt tctctttcag agctgaagaa agggctctgag ctgcggaatc 480
agtagagaaa gccttggtct cagtgtactcc ttggct 516
```

```
<210> 115
<211> 560
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. AA046840
```

```
<220>
<221> unsure
<222> (1)..(560)
<223> n = a or c or g or t
```

```

<400> 115
tacaaatact gtaaaaaatta atataaaaaa gtgagcatgc tcagtctttt cctcttatct 60
acaatacaaa ggggtttgtct gaaaagtctg gttttttttc tttttacaaa tgtaccttag 120
ctgcatcaac aggagtaaga tgtagaaaaa gctaccatta caaaaataat ttaagggaaa 180
ataaacacgt ttagcttctc tcgcagttta gtggtggtaa gtccaggctg tagcttcttt 240
gcgctcctat gtcccaagaa actgcagcgg gcacccggcg gctctggctg cgcagggcag 300
ggcgcgctcc gctccggggc gtccgggtctg aggtatgggt cggtgctgag tctctcccgc 360
cccggccgcg cgttaccggc agtctgctgt cccggcggcc ggcaagaagg cgggctgggc 420
agctgcttga agaactgccg gagggccagg tcccgcgtga ntgctccacg cgctggtgca 480
gttctcgttt cagcgacagc tcacaacttt gtgcantcct ggttgcgccg cttggcttgt 540
ggggtttgcn acgggatgtt

```

```

<210> 116
<211> 464
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA047151

```

```

<220>
<221> unsure
<222> (1)..(464)
<223> n = a or c or g or t

```

```

<400> 116
agaaaaaacca ccatcggtgc acgtcgacga tgccaaatta tgtagcgtg acaganaaca 60
ccgtgggggga ggaaggcagc agctgaagaa aaaagctcaa atgatctagt cactttcgat 120
actgtacttc agatgcgaaa tggatattcn gagtggaac ctgacaaagt gcgcctgctt 180
tgatgtgaac tggatatagac aatgaccagt ggctgggtca gtgggatgtc tctctgtgag 240
cacaaaggct tatcaaata cactaaagat aagttcaaca accatcacat tggaaggag 300
aaaggccgaa cttttcatgt ttggccgggc atgtgagtgc acaagatgga aagagcgatt 360
ggagcatcct ggtataatta cccccattgt gctcttaatg gaaatttcaa aggacgggag 420
tattctgttg gttggtgtcc aggtttgtgg cactgttcca agag
464

```

```

<210> 117
<211> 393
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA047187

```

```

<400> 117
cagggtaaaa agcccaacca ttactttact ttaatagagg acagctactg gtgttaaata 60
catttattgt aaacttttaga cacaaaaata ggttctctag gccattcaca tgcacattaa 120
aaccaacagg tgcaaaactac aacaatgcat ataattatac aaatgatgcc actctgtgat 180
gtttacagga ttgctgtcca tgcaagggtga tcataggcat tatttatgaa gccttaagat 240
ccagaagtgt tgttactacc aaacctctga ttaacactgt gaagtaagt ttttggaagg 300
cagttccatg agttgggcta acatttcttt aaagcaaag actgcttcta agcttagccg 360
tacaagagat tttggttgaa ctgaaaatat tag
393

```

```

<210> 118
<211> 413
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA047290

```

<400> 118  
 ataggtaaaaa tttttattta tgaatgtgtg gacacatgac tttggatcca gccagccagt 60  
 gacataaata aacttgagca aaagtttcaa gctagaggat atatatgtat agaaaattat 120  
 atatttgtgt gtgtgtgtaa ggccctcttg aacagtgccaa caaacctgga caccaacca 180  
 cagaatactc ccgtcctttg aaatttccat taagagcaca atgggggtaa ttataccagg 240  
 atgtctcaat cgctctttcc atcttgtgca ctcacatgcc cgccaaacat gaaatgttcg 300  
 ccttctccct tccaatgtga tgggtgttga acttatcttt agtgtcattt gataagcctt 360  
 tgtgctcaca gagagacatc ccactgaccc agccactggg tcatttgtct ata 413

<210> 119  
 <211> 210  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA047379

<400> 119  
 cagtttccaa atgggttattt tatcagattg tttgaacatt taattatcct gtttgcaatc 60  
 caaaatagtt acctgaagtt tgctgttttg tgtgtatgtg tttactttta ttgtatattt 120  
 atttttctaa actctttggc acaattttct gggggcggtc agactgccac aatacaagtc 180  
 aggagagggc gttttctttg tgcggccaaa 210

<210> 120  
 <211> 315  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA047704

<400> 120  
 aatgtcaagg caccacagat taaatatacct tttatttgac tcaaactgaa caataacatt 60  
 taaaacacac aatgggaagc agcgcagtta tctctcaaaa tagacaatga tgggtttttta 120  
 agaggttgat aaagcatatg tagaaaagtc agaatgtcaa aataagtacc aaggagaaca 180  
 tatactttga aaagggggct aaaacatgta gctatacaat ctgggggttct tatcgattga 240  
 tggataagat tgattgagac agagtcttgc tctgttgccc aggctggagt gcaatggcgg 300  
 tgatatcagc tcacc 315

<210> 121  
 <211> 118  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA052941

<400> 121  
 ttaattctgg ggaaactttt atttttattt ctagaccaat tgactatggg ataggaaaga 60  
 aagttaggtg tcaaggataa agccaatatt tgactcaaac aatgtagagg atgttttg 118

<210> 122  
 <211> 327  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA052980

<220>  
 <221> unsure

<222> (1)..(327)

<223> n = a or c or g or t

<400> 122

```
tttttttttt tttttttttt tttttttttt tttgtttcac aatatattta atacaaaatg 60
gcagcagcac tgtgcagtta taacaaaatt agccataggg tatctggaga aatgtacaca 120
ggcagcctca gctggagtca tgcgagccaa ctccggcctg ctcggttagg gcctgtgcct 180
gctgcccagt cagctgtggg tggtcacacg gccaggactg gatggtgccc gtgnaagggc 240
ggtgcacaag ggctcagagg tgctgtacag gaggagccag tcttccaaca gtacacaaaa 300
gcacgctgtc ctcttgctct gcccccc 327
```

<210> 123

<211> 117

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA053007

<400> 123

```
gaaattctca taattttaat gatcaatagc ttctgggtggg ctctggatgg tacagttaaa 60
caatagactt aaagacctcc cccaaagcac gtccacaccc cctcggcagc gtctggc 117
```

<210> 124

<211> 115

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA053033

<400> 124

```
aaaatgtgga actagtattc attttttatt caaatatttt ataaattatc atattggagg 60
ccctatagtg tggtagttta cagcatgaac tctgtattcc aagtgtcac gttcc 115
```

<210> 125

<211> 392

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA053102

<220>

<221> unsure

<222> (1)..(392)

<223> n = a or c or g or t

<400> 125

```
gactacaacc agtgttttatt ctgatttgt caccactctt ttcatagtct tgttttcttc 60
cacatgttaa atatataata accaaaactt tactaacata cgaatgaaga aaacatgcgc 120
aagtantngc atggcaggta gtgaggaaat ctggccagcc gactggttcc tttaccaagg 180
tttgagagat aggttgtgtt tgaacacctt ctgtgggtct gtgtcatttc caagttgaag 240
aatttcagcc aaagagcaac atgtcacatt gattaaagat ggtaaatgac acagaaacat 300
ttctgttaat actaagggaa aaggctgttc ttttatttat ttatttttcc tgagtcctca 360
cgtttttctt ctctgacaaa tgtttgaaat tc 392
```

<210> 126

<211> 327

<212> DNA

<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA053248

<220>  
<221> unsure  
<222> (1) .. (327)  
<223> n = a or c or g or t

<400> 126  
aagttttttt gctgtaagtt tattcaatgc aaaataatcc tctccaattt tactgagggtg 60  
gctgaccaca tcctcaacca aatccacctc taaactggaa ttcggttgct gaccagccc 120  
cagcctcagc tttgctgtnc ggcaccaggc ggcacagcac tccgtctgta gggtatctct 180  
gtccgctttc cctcttggtga gtcttgccgg tcgtcaccct tcagaccttt aggtctgagga 240  
cttcagctct ctggacggct gcagatagag tggcaggcac aatctccggg gcagatgaag 300  
gtaattcaac gggangaatc nttcgat 327

<210> 127  
<211> 431  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA053424

<220>  
<221> unsure  
<222> (1) .. (431)  
<223> n = a or c or g or t

<400> 127  
tttgagcttt cagatttgct tttattggta gggaaattcc agagtgggga gccacccagg 60  
aggagacagg ggtgccgagg cttctgggag tctggaagct cccggatgga gaggcttaca 120  
gccccagcct tccccagcag gagcacaggc aggggactgg ccaagtctgt cagctcagag 180  
caggaccggc ttcagggcct gacttcgggtc tcctcttgac ccgccccgga ggcttgtggt 240  
gggctctgtg tttgcagctc tcctgaacag agctagatga ggggtgggagg cccccgttgg 300  
ctcacacagt ggatgctacc atctccggcc tcttggtatgt ggagctctgt gccagagtca 360  
acagtctcca ggggtgggccc gaagttgttg taggcgntct caaggccgaa atctgctctt 420  
cctcagattc t 431

<210> 128  
<211> 427  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA053660

<220>  
<221> unsure  
<222> (1) .. (427)  
<223> n = a or c or g or t

<400> 128  
atctaacaaa ggcactttat tgcattacca ttcacaatta acagtcaaga acaataata 60  
ataacaaata aaataacttt taagaggaca aggcattaga aataaaaaag gacactaata 120  
acattttgtaa aagcttgtac tggatgtggt tgccccatt tgtgtgtgtg gttgtgtgtg 180  
tgtggttgtg tgttggtggc cacagctgag cctctgtcac cagagaaggc tgaggcccaa 240  
tggcacacct cagaaacctc cccccgagg ctnggacggc tggactcctg agcacaagct 300  
ccctctcgca ccctttgcca gacagtttgt ctccaatttc aaactgacct aaggctctta 360  
ctcctggatt ttttgttttt aaaccttctc ccagccagtc ttcgggaggg catgattaga 420

gaagngg

427

<210> 129

<211> 368

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA053662

<400> 129

```
atgtgcatta tttttttcaa gcagctacct tgtaggaca tacttaatag ttatcttggc 60
ctacctactg cacttactaa acaactgttc actttttaat ttttaatttt cagatttttt 120
tgagacggat tgtagctcta tcgcccaggc tggagtgcag tggcgtgatc tctgctcact 180
gcaacctccg cctcccgggt tcaagctatt ctctgcctc agcctcctga gtatctggga 240
ctacaggtgt gcgccaccac atccagctaa tttttgtatt tttagtagag atgggggttt 300
accatgttgg ccaggctgat ctggaactcc tgacctcagg tgatccacct gcctcgggtc 360
cccaaagc
```

<210> 130

<211> 446

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA053680

<400> 130

```
ggaagtggca ggggaggtgc tgctgctcca gcgtatggga tgctgggagg agggccagat 60
gtcactgtga cctctcccac tggcacggca gaaagtccta aacttctctt ggacttggag 120
tgtcgttctt ctttatgctt ctcttctgtc ttcttctttt tgctcttctt tgacttcttt 180
ttcttcttga tttctcggtc agaatcatct atcactaact cccagcctc tagttcccca 240
ccagaggatg agtctgattc taccagaata ggttcaagcc ctgaaagatc aagggttagca 300
ctgtgggact ctgcgaactg ggaggcgtca gacccacagc cttcagggcc aggagatgaa 360
tgtgcgtctg aggatgactt gtgctttttc cgggctgttt tcagaaagct ctgtaactca 420
tgtcctagga gtaaaagcacc ctgctc
```

<210> 131

<211> 444

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA053917

<400> 131

```
cagagcagag ggTTTTTcta tttattacaa aagttgttac acaaatacag ctgaccagaa 60
gggtctaaaaa cagcccagac tcttccaacc ctcatgcac tgtagataga aggagagctg 120
tggtcttggc cacacacagg ggagcccttc ttagaagaac tgctgtccc ttggaagggt 180
cagagtcttg ggtccagcag cagagaggag cccaacctgc gtggacaacc ccttgaggca 240
gcccttggtc acagctgctc tgggtgggca gcaggtttaa gtttcatagt tcacatgttc 300
ccaccacaca agtcaaatca aggcattgaa ataaaaggga aaaaggggaa ggctggaaaa 360
gggagcctgg aagaggttgc aggtagggga aggagacaca gtgggcttcc gagaagctgg 420
caatttcttg acttgatgag agtt
```

<210> 132

<211> 190

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA055805

<400> 132

ttttttccac gttcagtcgc agttttattaa agttagaagt gtctccatcc accccctaca 60  
gaggcttgcg tgggtggttcc agtctgctaa atatttcaga atggggacct cattctatct 120  
actgatttat caaatctcat taattaattt cccttgctga tatgaggggt tgggagagaa 180  
gggggacggt 190

<210> 133

<211> 337

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA055811

<220>

<221> unsure

<222> (1)..(337)

<223> n = a or c or g or t

<400> 133

ttaagaattt ccaccacaa ttttattatt actgaaagca tttggaatga agcaaaggat 60  
ttaacaatat atataaaaat atacattttt taaaaaatcg caagtagaca atagatttat 120  
ggaattattt ttctgatcat ccagaaaaga tagcaatagt aaactgcagt tgggtngaga 180  
ccagccactg ngtccatgag acctaagcag ccctaacgct gcctgagctc tcaagagtag 240  
aagaaatgct cgacaaacag aaggaggctg tgggagggca gcaggacagc cccaccagaa 300  
aaccagagcc caaatgggnt ggggcagggc caggggc 337

<210> 134

<211> 456

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA055892

<220>

<221> unsure

<222> (1)..(456)

<223> n = a or c or g or t

<400> 134

tttttttttt tttttttaat agaacaggtc aagataaggc tttatttcta tagaaatgat 60  
gctttgacaa tagtttggtc tgggtgtaagg ctcacaaaag aaaatcacat gtaccatgtg 120  
tgggttaagc ggtttgattc acactgaacc aggccagccc agttgccctc tgctgtgtcc 180  
accggtggag tggagctgtg tcacagccat cacactggta aactgctgta gctgggtttac 240  
caggctttct cttgccctga cagtacaggt gaagcctgta aataaatctt ctgctatctt 300  
tgtgaactta accaaatccc agttacctta tttaaatggc aatagatctg ttttccctta 360  
aactagaaac cttaattacc tgtattccta cctccagctc aacccatata tttgcanctt 420  
tccagtaagc aggttttgta ttttccatcg cccct 456

<210> 135

<211> 272

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA055896

<400> 135



```

tttttgcaaa tataagaagt aattttattg caatatactg tggctagagt ggtctgggga 60
gaacggggaca ctttttgaag ttcagtacaa attataacaa ctttgaaggg accacagagg 120
aagaaaatga caggagaaaa ggacaaattg gatgggatga gaaatgaaaa cagaatcaca 180
tgacctagac gcagccacgg gggtcgcggg acagtcctcg gctatggctt ttcttttgaa 240
gagatgaagg tgacagtcac tggcacatgc ta 272

```

```

<210> 136
<211> 441
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA055992

```

```

<220>
<221> unsure
<222> (1) .. (441)
<223> n = a or c or g or t

```

```

<400> 136
ggtttgtttc ctttaattaa atctcaaatt tacaagagtc cagactgtct ggacagccca 60
acagggacac agagagtttt acacactgat gtctcaacag cacaggggtc catcgggact 120
tcgtgagaaa atcaggatcc atgtacgttc ttgaagagct gtctctcggc ctaagataag 180
tggagaaggt tgccttgga gcgtagggta gaggtaggaa cagctggctc tctggccaag 240
gctttgnttt tttcgcggaa caaaaacccg acccacggga aagggctgct ccgagctctg 300
gggtcagaaa tttcctatca gtngagtgc gcaggccagg gagaggcgaa agggagtggg 360
agaggactgt gggcgaaagg gagaggggag gccctgcac agcttcacca ggcgtcagtg 420
caggctcaga cggccggact g 441

```

```

<210> 137
<211> 531
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA056170

```

```

<220>
<221> unsure
<222> (1) .. (531)
<223> n = a or c or g or t

```

```

<400> 137
gctctttatt cgtgagtttt ccatttacct ccgctgaacc tagagcttca gacgccctat 60
gggtncgcct cgaccaacc ggcggccttg agcgctgagc aagcaaagg ggtcctcgcg 120
gaggtgatcc aggcgttctc cgccccggag aatgcagtgc gcatggacga ggctcgggat 180
aacgcctgca acgacatggg taagatgctg caattcgtgc tgcccgtggc cacgcagatc 240
cagcaggagg ttatcaaagc ctatgnttca gctgcgacgg ggaagggtgc ctttaagttg 300
ctcgcttggt caagtcctac gaagcccagg atcctgagat cgccagcctg tcaggcaagc 360
tgaaggcgct gtttctgccg cccatgacct tgccacccca tgggcctgct gctggtggca 420
cgtggccgcc tcctgagagt tggccctccc ttgtgccact gccaggggag gaaaggcctt 480
gatgttccag acaataataa atgcgcctgt gacttaaaaa aaaaaaanag g 531

```

```

<210> 138
<211> 462
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA056247

```

<220>  
 <221> unsure  
 <222> (1)..(462)  
 <223> n = a or c or g or t

<400> 138  
 ttttttttaa acaggaatga atcattttatt caaacaaaac aaaaagctat ataattttga 60  
 gaatttcatt ttttgagagt aaaaactaca aaattgaaca gcgaggagga aaaaattctg 120  
 acaatgtgat tcaacattaa tccttttaaaa gtcactgtaa caaattttaa cataagtgt 180  
 ttatttttct attcacaaaa ctaattataa tacaccacaa tgaattttgt tacggtttta 240  
 tgtgtgtaat agaggggtata catctccata ctactagcta atttgtctgt ttgttcaaaa 300  
 gagttatttt tctctttttt tcttctttga gacaggtctt cacgctcttg cccaggctat 360  
 agcatnaagg gcacatcaca gtcactgca gccacaacct cctggggctc aaccgatcct 420  
 ccntgtctca gccttcaagt agcctggact acaggcacac at 462

<210> 139  
 <211> 394  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA056319

<220>  
 <221> unsure  
 <222> (1)..(394)  
 <223> n = a or c or g or t

<400> 139  
 gccaggtttt gtttgttttt ttacaaagtt accgagatga caatatccat aattagctga 60  
 ctcttacgta cacactgtga cctgatcatc ctgaaaaact ttatggggga gaaaggctcag 120  
 cagcttctct ttctttttct tgaaaataat aaaactgcgt attctacttt atattttaat 180  
 gtaaggaaga aaatatacaa gcccatattt atattgtatt tctattaaga gcaacaatag 240  
 ttcatatgtt catgtttgct actatcacaa ttcaacatat gaacacagat cagctctata 300  
 ccatgaatac tgctggaagt gatgggttag gattaccaac ctactgctg catgaccaan 360  
 acaaagcaaa tgccatccct gggaaataaa ccct 394

<210> 140  
 <211> 498  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA056361

<400> 140  
 gaagcaagga gctaggaccc ccagtcctgc cccccaggag cacaagcagg gtcccctcag 60  
 tcaaggcagt gggatgggcg gctgaggaac ggggcaggca aggtcactgc tcagtcacgt 120  
 ccacggggga cgagccgtgg gttctgctga gtaggtggag ctcatgtgtt tctccaagct 180  
 tggaactgtt ttgaaagata acacagaggg aaaggagag ccacctggta cttgtccacc 240  
 ctgcctcctc tgttctgaaa ttccatcccc ctgagcttag gggaatgcac ctttttcctt 300  
 ttcctttctca cttttgcatg tttttactga tcattcgata tgctaaccgt tctcagccct 360  
 gagccttgga gaggagggt gtaacgcctt cagtcagtct ctggggatga aactcttaaa 420  
 tgctttgtat attttctcaa ttagatctct tttcagaagt gtctatagaa caataaaaaa 480  
 cttttacttc tgaaaaaa 498

<210> 141  
 <211> 507  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA056482

<400> 141

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accatcaact tattttgtat tctataacat acaagactgt aaagatgtga cagtgtacat 60
tatatgacaa tgcacattag ccagcaagtc ttttataggt ggtttcagca gcaacgataa 120
gtaatgcaga attcagctcc agcactttat ttcaaaagaa atttcctgcc tccctccaag 180
atgcagggtg aggaggtagc ttgggggttg tattggagaa gtattcagtt tgctactttg 240
tgtcaccctt tgccattctt ttatccccag ttaattatta tctgcatata atataaatct 300
gctagaccat aaattaacag ctttcaggac agatgccttg aaagttctta gggagggttaa 360
acaaatattg tagcctaaaa cctcctctat aacaaacatg cacacaatgg gaagtgatgt 420
cgtaagttag tgatggggca ggaaggacct agggctctgt ctcgactata aatcaccctg 480
gcccccaacc aattttaaatt attacct                                     507
```

<210> 142

<211> 388

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA056735

<220>

<221> unsure

<222> (1) .. (388)

<223> n = a or c or g or t

<400> 142

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aagattatac gaangattta ttgatactgg ttaacatcca ttatatacag gtagaaactt 60
tcaaaattgt acaaagaacc attaagcata ttgataaaga cagttttaca gacaaaacaa 120
ctggaaaata gttttaacat acacaatata taattatgaa aaaaatgtag aacacatatt 180
gttctaccag ataaatccca aggttattaa aagtctgcta tgcagacctt taagttgaaa 240
aatgtgttca atggagttac atgggttttag aaaattaagt ataatgttaa aattaagctt 300
ttttttctca ttgcaatttg ggagaggaac tgagacaact tttttacccc aaatctatac 360
agtttgaaaa ataatttata tgtctagc                                     388
```

<210> 143

<211> 491

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA057678

<220>

<221> unsure

<222> (1) .. (491)

<223> n = a or c or g or t

<400> 143

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ggtagttcta tttcataaag aaaaaaatca tttactggaa tgagctaaaa tgctagagag 60
aaatccacag caataattat ccaaatatat gaacaatccc atcttcaaag atcattattc 120
caacattctc tgaggtgcaa ctaataattg ctaacttggc tgtgacttta cagtgcctgt 180
caatgtgatt tcaaggatcc cataagctat ctaatcacag tggatgcaca gtacatgtga 240
tgtgatcaga tgaaggtttg atcatgaact cnattaaaaa actgnaatat aagagagaag 300
gaaactgatg gggaaacact caagagcttt ggcaagatta gaaagggttaa aggaggatg 360
gggaagaaaa gcnaggacat ctaagagtac agagagaaac ctaatccaag gttaccagta 420
cataccacca atactgccat ggggaggaag gttcccgcgtg gtaatttggg acagaccggc 480
acccttaagc c                                     491
```

<210> 144

<211> 517  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA058589

<220>  
<221> unsure  
<222> (1)..(517)  
<223> n = a or c or g or t

<400> 144  
tttttttctg taaaagcatt tcctctgaat attttattca gaaaaaaaaac aaaaaaagat 60  
aaggcagaaa caaaaatccc agtcatttgc agtatctggt ggctttcaat ttggctcctct 120  
tggtttaaaca aagaaaaata gtaaaattaa tctatgtaaa acatgccata tatattcaac 180  
tgctactaaa tataaaaagc tataaaactg tgtgttcaat tttggttact gtattatcac 240  
aacacttata ttaaaatatg tatactttta aatttggttt ctataaaaaa tggattctaa 300  
tcccataaaa gttatttcct aatattcaat aaatggtgcc taagggnntt ttctntccaa 360  
atagcaattt tattccggaa ttttaagggtg ctcnaaaatt ccatttaaca gggtgagaat 420  
gctgnattat taccagttag naaagttacc ggnctagagt ttattccgtt tagagtccca 480  
tcngatana atttgaaccc ctctgnttc ttacaac 517

<210> 145  
<211> 607  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA059489

<220>  
<221> unsure  
<222> (1)..(607)  
<223> n = a or c or g or t

<400> 145  
caaattttat ttgtatacaa aaatatatta taatngaaa gcttactgct atttccaact 60  
atatataatt aattacaaat attttcataa aagcacttta aattacagga aagctatggt 120  
ttaagagaaa atacaatatt agcatggatc gtctgttcta atatgctgca agaggtaaac 180  
aaagtcagtt tcaactgtcta aattgcccag aaatgggatc aagggtgat ttttaagggtga 240  
gcctgagagt ggcttggtag aagggttnagt gcacgtcttt gtcccctctg gcagcagatt 300  
ctagtagctg atttttagcag gtccctcgaa ctttctgaag cttctccctt atgatgaaag 360  
gaccagaac ttcttggttc acatacttgc taaagttttg tcaagatcag caatgaaggc 420  
ttctagctcn ttngtgtctc ctaatttagc tttctgagga gtgacagtgg cagagagaag 480  
agctggggta gagtctgttg gagaattcag ntttcatca ctgaagctga gctgttccta 540  
taaagtgaat ntgcactctc cgagtcgctg aagccgctgt tgcgctgctg cttggctgct 600  
cgcnttc 607

<210> 146  
<211> 457  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA062721

<220>  
<221> unsure  
<222> (1)..(457)  
<223> n = a or c or g or t

<400> 146  
 ttttttttat gccaaatccc attcccaaga tgactatat ttatagttaa ttatgaggta 60  
 actgcctcca gacagataag cccctgcatg atgctgaaag tcagagcctg ggggtgaatg 120  
 ccaccttatc tttgtcctcc tcagctgggtc tgcgtgtctc tgctcagaac gctgtgtagt 180  
 agtgctccat tgtgctgaca atgtcactct ggtcctccag gagctccaga acttgctgca 240  
 gcacagcctc gctcaggccc gggcggatnc tcaggcgagc acaggccaag atgtgcagga 300  
 agtgacagcc cttctccatg tgatttggtt tctggcagtc ctgctgaatg atccgggtga 360  
 tctttctgtg caggctcttg tcttctctgg ttacatagta taggttatca aaaccatcat 420  
 ctttctggaa aacaagtcct ttttctgca gcagttg 457

<210> 147  
 <211> 504  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA062744

<220>  
 <221> unsure  
 <222> (1)..(504)  
 <223> n = a or c or g or t

<400> 147  
 ccttccatct tttttccctt tgctcaggca cctgcacagc agctcaggac cactcagtgg 60  
 tggtccaac ccactcagtg gcctgcgctg tgggagctgc tgaccaatcc tcagtggctg 120  
 gctgtgcaat ccagctctcc gtggggaact gctggatggg cacagaggga acctgcacac 180  
 cctcagacca gtcggccacc tcaggctgag cagcagtga ctcaggagct ggtgcggtcc 240  
 attcaccctg gaattcctcc ttggtcacag ccttctcagc agcagcctgc tcctccttct 300  
 caatctctc tgggtctctg tangaagtaa agatcaggca tgacctcca ggggtgctca 360  
 cgggagatag tacctcgcat gcggagtact tccctggcca gcatccacca catcagacct 420  
 actgagttag ctcccttggt gttgcatggg atggcaatgt ccacatagcg caggggagaa 480  
 tctgtgttac acagagcaat ggta 504

<210> 148  
 <211> 333  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA065173

<220>  
 <221> unsure  
 <222> (1)..(333)  
 <223> n = a or c or g or t

<400> 148  
 ntttttcatg aagaccagt ttttttacat gcttgccttc acattcttta ctgggaattt 60  
 aaggcctttt ttcagcctta acttgatata caacctcaag gattttgttt gatacagaaa 120  
 aggatagggc tgggccttct gccaaaggact gataacctgc ctgccaaaag gaagagggaa 180  
 tgaaagcctt ttgtccttct agggccctta cagtacctca aaatctaaag gccttaaagg 240  
 ggaaaaaaac cgtatctgtt ctttctcctt atctcctacc cttctcttta agcatattga 300  
 agatggactt ttttccaaat gtttatttgt agg 333

<210> 149  
 <211> 267  
 <212> DNA  
 <213> Homo sapiens

<220>  
<223> Genbank Accession No. AA069456

<220>  
<221> unsure  
<222> (1)..(267)  
<223> n = a or c or g or t

<400> 149  
accgagtata ttctgtttat tgtttatgat ttacacagaa aatgatgggc tgggggttata 60  
gaacaataaa ccaaccatta ctttagacc tgggcttttg aaaaacttgc attccatttt 120  
aacaattcgt atgtatctaa caaatacata aatccagatc acaaataatc ttaagagtta 180  
aacaattaag aaacacaaag aataccacat agatctacct ttaaataatca gcattcatat 240  
tataagagat aagaaaatgt tanaaag 267

<210> 150  
<211> 427  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA069696

<400> 150  
attcacagca tactttttatt taccaaagta catcgtacat tatacaaatc ttaattacat 60  
ttacattata catttataat attaaaattg tgcgagtagt cttcaaatat ctgacaactt 120  
tgggggtcagt gaattattta agaaaaaac tcagaagagt tttgaaaaag gagcagggtg 180  
gattctacaa attcaatatg aggcaccagt gggagaagtc aattggatga gcacatgaaa 240  
tattaggagt gtcgtgagg gggaaagtaac aggtctattg tgtgcagtgc tgggcaggct 300  
gcatatggag aatgtgttaa aagagcattt gcaaacttaa gcattacttg aagatattaa 360  
acagaatgat ggaagcctgg tctttgatta tttattgctg acatatgcat tgcagtgatg 420  
gcattaa 427

<210> 151  
<211> 519  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA069768

<220>  
<221> unsure  
<222> (1)..(519)  
<223> n = a or c or g or t

<400> 151  
aaccacanaa gagtagcagt ccattttctg gaagngcgca tgatattatg ancaatacaa 60  
atgcattatt tttatcatta atagtntaat cattaattat cncanaagtc aatgcagaga 120  
gtgaaattan tntgaattaa acttcngttc anaatgtaca gtattttgca tatgtngact 180  
ttacttaatn gtncattntt gtttccaaag ttaangttaa atacctggtg cataggttgt 240  
tgtcaagcaa ttactctcat tgtcttgta tacatgctaa cattttgcta aatataaatc 300  
tacaagtatc acagctgcat atattttctga agtggttaga acagaggagg atgctggaaa 360  
gttgagttct ttaaaatctt cgttcaaaac aagagatttt catctatgtc ctcttcttta 420  
attccaaagc agtggnccca ctcttcagg gtgatgtgct tatccttntt ggggtcacac 480  
tcntcaaat aaacgggtta tgccagtgtt ccatgggcc 519

<210> 152  
<211> 396  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA070090

<400> 152  
ggaatcccag ctccacttac caggccgcgg ctaccccgcc gtcccccccg actcccgcc 60  
ccccgctctc tcaggctctt caggatccaa gtccgtaggc cctttaaggg gtctagttgc 120  
cgtttgcgag gccctgggac tttggtccca gacagcgggg atccggatgg cttccgtgcg 180  
gatccgagag gccaaaggagg gagactgtgg agatatactg aaggctgatt cgggtgaaga 240  
ctgcaggagc tagccgaatt cgaaaaactc ttcggatcag gtgaaagatc agttgaagaa 300  
gcccttgaga gcagattggc ttttgagac aatcctttct atcactgttt ggtagcagag 360  
attcttccaa gcgcccggga aagctacttg gggggc 396

<210> 153  
<211> 417  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA070091

<220>  
<221> unsure  
<222> (1)..(417)  
<223> n = a or c or g or t

<400> 153  
ttcaggacat gtaattctta tttatttttc accctcaaca aggaagaaag gtctctccct 60  
caattctgct ctccaatac ttgaggatag gcacccttaa cctccttcc tccagggagg 120  
cctcagcatc agtgtctgtg gacgtanctc tgaagagtgc ttcagctgat ggggaaggag 180  
aaactcaaga cagagatcct cctagggatg gcgtcacttt cctgccact ttctcgttgc 240  
ctctccttga aagcagaaga agtgccagcc ctcagcttcc gtcagatctt gggctcctag 300  
ggccttgtag aagtccatgg ccctctgggt ccagtcagg acggccaggc agaattggga 360  
gcagccctta tccaaggcca ccttcagcca cctttttgat tattttggaa ccaatcc 417

<210> 154  
<211> 429  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA070191

<220>  
<221> unsure  
<222> (1)..(429)  
<223> n = a or c or g or t

<400> 154  
tttaaaatta aaaagatata ttttttaatt aaaccctatc tctattagtc cacagttctt 60  
ttctgcatca aagccattga tccaatttg acctgattaa atgtccctga agcactgagg 120  
gtaggaccca gagtgctgtg ggtgagagga gggagctttg tgtccctggg acccttgaca 180  
aggtgacaaa atgcctgact agaagccga gtagncaaga gacaggtgtt cagattcctt 240  
gagccagaaa aggtgagatg tgtttctgtc cagggtggca agaactggcc tgctgtcctc 300  
acagcccagc cactcaaaag gggcatctcc caagatgant cctaaatcca gtcaagggtga 360  
cagtaaagac tcggccaact gaagttcctg gggagtggcc tagacaagtt ttacaggact 420  
taatctttc 429

<210> 155  
<211> 353  
<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA070206

<220>

<221> unsure

<222> (1)..(353)

<223> n = a or c or g or t

<400> 155

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tttttttttt tgaggcaaac agtcttttatt gggttcacac caggagtccg ttggtcttga 60
ggacctctgt gaacttgacag attttcttct ccacattctt ttctgcctgt ttccgtaacc 120
tcaagatctg cttcttcttc cgatagtgca tcttggcctt ttcttccgt ttctctcca 180
gagtggctgt cactgcctgg tacttcacc cgacctcatg cgccagacgc ccaggtaag 240
caaaccttct ggtaaggctt cagcgaaaca accttgagag cagcaagggg ccaccantcc 300
gctttttctt gncatagggt ggagggatct cattcaaaaa ctttgaange gct 353
```

<210> 156

<211> 257

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA070485

<400> 156

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tttttttttt tttttttttt tttcagggtt ggacttctta accatctttt tgtttttctt 60
tttgaactg ccatagtcac tatcgtcac atcttccatt aggaaatctt catcgctgcc 120
ggaatctttc tcctggaatg gtgcctcatc ctctcttctt tgttcttctt cactgcccac 180
atcttccatg agcatctctc tctgtttaga agctgcttta gatgccgctt gccgttggtg 240
gcgcacattt ttatgat 257
```

<210> 157

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA070827

<400> 157

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ttgtgggcaa accttgtttt aattgcaaac gacttaattt acagcacatt caataatgaa 60
ccaacaggag agttgctgac tttgtaacat atgaatatat aaaaatccct tgcaattcag 120
gtagtcaagg taaaaagcgc atacaaggaa ggcaatcctc atttttctga aaatgtttac 180
attttaaaag gtgactagac atacttgga gttcaaaagca gtaggatgta gcttgagg 240
aaaagaaaac ctttttccat gttgttaggc agaagtatat caaatatatc ccaattccac 300
ttgataaagt cagttggatg acctcctttg aaccaatcta gggcagaaca cttagtaaaa 360
gcggggccctg ggtggggatg tgaatccagg agaagagggg cacagatccc atgcagcgcc 420
aaacacatcc attccaccct ctaacacata cgaggcatgt cac 463
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<210> 158

<211> 363

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA071387

<400> 158

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ggggctaaaa ctaccctga gtgtgggtccc acaggatatg tagagaaaat cacatgcagc 60
```



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tcatctaaga gaaatgagtt caaaagctgc cgetcagctt tgatggaaca acgcttattt 120
tggaagtctg aaggggctgt cgtgtgtgtg gccctgatct tcgcttgtct tgtcatcatt 180
cgtcagcgac aattggacag aaaggctctg gaaaaggctc ggaagcaaat cgagtccata 240
tagctacatt ccacccttgt atcctgggtc ttagagaccc tatctcagac agtgaaagtg 300
aatggactg atttgcactc ttggttcctt ggagccttgt ggtggaatcc ccttttcccc 360
atc 363

```

<210> 159

<211> 349

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA074162

<220>

<221> unsure

<222> (1)..(349)

<223> n = a or c or g or t

<400> 159

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tgctgtttta tcatcatgtt tttacatggg gcattcactg ggtgtagagg ctggccgcaa 60
atacgaatgc cgcgcgtagc aaggtagccg ctgtctccat cttggcaccg agcacaggct 120
ctcctaccag gcgggctngc cccccgcagt gagcgacaca tctnagccag gcgctgaatg 180
cagcggacca ccaggccctc aggggtccct gagagccctg ccaactcgna gaagggcatg 240
cccggtgccc actcatatac aacctcaacc aggcccaaaa ttcagctccc ccacaaattc 300
ctccacngtc tggtttaggc cacaagccac cttggggacct cancaatcc 349

```

<210> 160

<211> 330

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA074514

<220>

<221> unsure

<222> (1)..(330)

<223> n = a or c or g or t

<400> 160

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gtgttttact caaactgttt aattgtttct tatcccaata actttacaaa tatagaacca 60
catgctagtc tgggggtgct gtgcagtgag tcaactacaaa ctcgctcagg cacagcttaa 120
tgccgctgag atccatctag gagcagtcctc agcgggtggcc tcagccagtn gaggaagagg 180
gctttggagg agggctgcca agtgtggcca ggggacccgg cctcagggtc gtggaggtgc 240
ttcaacagca cgatgctcat tctctgtccg tagtgtctcc atatactttc tcatcttctc 300
caccatccag gagggtagga caaaggattt 330

```

<210> 161

<211> 252

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA074885

<400> 161

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ttgccaatga tgttgagctt tattaatggc ccctctccag aggctgctca gttgtcccca 60
gggaactcct cagagatcct ctgccttccc acatatgagc ccgaggacac ctgaggagca 120
gagaagtgaagg ggtcagacgc tgcactccac gcctgcgtcc tcctcgtggc 180

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tgcagtcacg atggccccag ctattcttgg tgcagctcca cagggtactc tccgtgcccc 240  
gacactgaac aa 252

<210> 162  
<211> 562  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA074891

<220>  
<221> unsure  
<222> (1)..(562)  
<223> n = a or c or g or t

<400> 162  
ttcaacaatt tccctttatt taatctccat attcatgtcc cctaaatata tatatatattt 60  
gattttgtta ggagaaaagga gatttgggat tgggtattaa cacacacagg gtgcagaaga 120  
agcccactac aattgcttgc cttggaaaagt aggacctggt cccagatact cgccaggaca 180  
tggtggcag ctccctcaagg aggacaacag gctggcagct gcgtgagact atgtaagtaa 240  
tggaaagtctt ggggtgcaga ccattatagc aaccgcgtcg gattcttgtg gacagtctgg 300  
tttccctttc catcatcaga atccccctga ggtgtgtact gaacttggta ttcctgaagg 360  
attttaaaaa catcatggtg tccaaagtgt agtgcttcat ccatgggggt attattccac 420  
ctgtccntgg ggaaaggggt tacctttgca agcttccagc aaaaacttga caactttcaa 480  
catgaccctc tgctgctgcg acatgggaag gctgttctgg agtcatatcc cgctgctcca 540  
tgtccanggc tgacaaagca ac 562

<210> 163  
<211> 239  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA075298

<400> 163  
taatcaaagt aagcaataat gacaggttta ttgaaaattt ccagtagaga aaaccacta 60  
gttttgggaat aaaagtactc aatgtacgag agcataagtg aatacaaaaag attaacagaa 120  
ggaaaataaa accaaacata gtacaaaaaa atttaaaaag tttgaaatga attcaaaactg 180  
ggatgttctt taaatcctcc aaatatatta cagagttact aagtttggca aaaaattca 239

<210> 164  
<211> 328  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA075299

<220>  
<221> unsure  
<222> (1)..(328)  
<223> n = a or c or g or t

<400> 164  
tttttttttt tgtttaaaat catttattat tatcaggagt gccttttagg tggaccgctc 60  
tgtatgactc tcatgtttca aaactatttt ttattcaagt gacttacaat ggccctagga 120  
aacaagttct gttattatcc cccattttta aatgatgaaa atggacaaaag caaaagcaag 180  
caacttaacc aataccccat ggcctcacag cctttagaat agtcatatta tataaatatg 240  
gcaataacaa tgcnctgaaa atgtctccaa aacaaaactc acatttttaa aaatgtataa 300

caggaatcta aggaaggggt cttacttc

328

<210> 165

<211> 541

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA075580

<400> 165

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gtttattagg cagcagctgg gaaatcagcg gttagacttg gccacacgct ccagttcatc 60
tttcttcttg atggcatagg aattggagga gcccttggag cattaatgag ctcatctgca 120
aggcactcgg cgatggtctt gatgttccgg aaagcagcct cacgagcccc tgtgcacagc 180
agccagatgg cctgattcac tcgacgcagt ggggacacat ccacagcctg tcgtctcact 240
gtaccggccc gcccaatgcg tgttgagtct tctcgggggc cactgttgat gatagcattc 300
accaggacct gcagaggggt ctcaccagtg agcaggtgga tgatctcaaa ggcatgcttg 360
acaattcgca cagtcatgag cttcttgccg ttgttacgac catgcatcat catggagtta 420
gtaaggcgct ccacgatggg acattgtgct ttgcggaagc ttggcagcat accgtccggc 480
actgtggggc aggtacttgg catacttctc cttcacagca atgtaatcct gcagagaaat 541
a
```

<210> 166

<211> 609

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA075722

<220>

<221> unsure

<222> (1)..(609)

<223> n = a or c or g or t

<400> 166

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taactgttaa gaaaattttt gtggttttat tgtatcatga ggcattgaaa catctgaaca 60
aatcaatata tgggcgggtg gtgaggcagc tgctttctcc ttcacttctt tgggttacta 120
gagcaacttg tcagtagatt aaaaaaacaa aacaaaacaa aaaataaaac aaaaacaaaa 180
cccgacaatc gtttgcatta cttaagtctt tccaaggcat gcgctggtac aacacaaact 240
tctgtcaga tgcgactagt ctagcatcca aacatcatgc acaacaccgt ggtgacagaa 300
gcgccctgca cccgctccc cctcggccct gctcgtttgt gtatgatatt tggagcatct 360
ggaggagtga gctaggattg ggaagaggga ggaggaaaca gcgtgactgt ggccaggagg 420
aggtcagccg aagttgtgca gggcaagcct gaacatgtca ttggtgcnaa cccaagcat 480
cgttgatgtt ccttaataga aacatctggt ggaaaccctg atgggatctt catcagcctt 540
gagctgggcc acaccatgct gatgatgcag ctatctggtg taagctggtg gtcctgcgcc 600
gtgatgcaa
```

<210> 167

<211> 430

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA076138

<220>

<221> unsure

<222> (1)..(430)

<223> n = a or c or g or t

<400> 167  
 taaactgaag gtgggggtaca tgggtgcagct ggttctgtca ttgctcagcc tagttggcgt 60  
 ccagcttggc catttcctgc acatagatgc ctatactctc gctgtcaaaa agcacgaagt 120  
 acaccgtttt gatggaagag gacattgtag acacgaagta actggagatg gccttcagaa 180  
 tcagctgagc tgctgtctgc tttggaaaac cgttcctgcc gctgccgatg gatggaaatg 240  
 caatggattt cagcttctta tcatcagcca gggccaagca gtttttctact gtcttttcca 300  
 gaagttcttc acacttgtct gcaccccaaa ctggactatt acagtggatc acaaacttgg 360  
 caggcaggcc atggcnggct tgacagcagc tccagctact tccaagggcc cgttcttttt 420  
 ccggagttcc 430

<210> 168  
 <211> 451  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA076238

<220>  
 <221> unsure  
 <222> (1) .. (451)  
 <223> n = a or c or g or t

<400> 168  
 gacacggagg ntcgcncttg ttgcccaggc tggagtgcaa tggcgcaatc tcgactcacc 60  
 acaacctccg cctcccaggc tcaagcgact ctgctgcctc agccttcccg agtagctggg 120  
 attacaggca tgtgccacca cgctgggcta attttgtatt tttagtagag acagggttc 180  
 tccacgttgg tcaggctggc cttgaactac cgacctcagg tgatccaccc acctcggcct 240  
 cccaaagtgc ttggatcaca agcatgagcc actgcgcca gccataaatg tgtacttcta 300  
 acataaaaatt taatctgggc tgaacaaaat atttggaacca tagtaaaatg ctttctctat 360  
 aatttgttcc ttcctttctt ttttctagca agcttcagag ccaacagggc gcttctctctg 420  
 gaaggtgaag tcatggtgac ctactgctct t 451

<210> 169  
 <211> 411  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA076249

<400> 169  
 tgcgtgtgtg acccagtgct tgacgtttga ggaggccctc caccaccagc acaacagaga 60  
 acgggcctcc ttcatcactg atggggagca gctcccagc ccccgccctg cacctctgct 120  
 ttccagaact cctgccgctc catctgccaa aagggaacct tctgtagggg agcacaccgt 180  
 agaagtgctt agagagtatg gattcagtc ggaagagatc cttcatgctg cactcagata 240  
 gaatcgttga aaagtgataa gctaaaagcc aatctctgac tcaggcttat agctcaagag 300  
 aatctgaagg ctgcatctcc acttggggag ggatgccac aattgtgtgt atggaaatgt 360  
 ggatgaacag caatgaagtc atccaaatat cccaatcacg atccaacgaa a 411

<210> 170  
 <211> 361  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA076326

<220>  
 <221> unsure  
 <222> (1) .. (361)

<223> n = a or c or g or t

<400> 170  
tttgcgcact gaacgttgct ttattcattg gttaattttc ctaacagcgt tgtaaaccga 60  
ggccgggatg tcctgagcgt tctggcagag gcccgtagcag cctcggcccc ttccgggtccg 120  
cgctanctgg cctttgccct gagctccctc agcttcgcaa gatgagcttc ccagacgggg 180  
ccggggcttg gctctgaggg aaaggcggtc ccgcaggtct ggggccgcct tcccatgttc 240  
tctaaagccc agcacctgtg gttcgttggc ggggctcgtg ggattggggg aagggctgtg 300  
gtttcgaggc cgtctgtggc gccccagcc cctaagtctg cgagacgccg gccccgcctt 360  
t 361

<210> 171

<211> 456

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA076383

<400> 171  
tttttttttt tgtaagaata gtttttaate catttttctca caagcagtgc acagtggggc 60  
ggcagtaact aagtacctta tcctaatacct ggatgtgctc atacaggctg tcaatttggg 120  
tccgaaagta tttggaaagc tctcctcgct ttgctttcaa tgttggtgtc aagagcccat 180  
tttcaatgga aaatggctct ggatgaagaa aaatggcttt gacctgttca aaagttttaa 240  
ggccactttc tttcccaatt ttctgcaagt cttctaaaat ggcttccctt acaacttggg 300  
tttggcacag ttctcaaag gagcccttca cccaagctt ggctgcaaat gagggagta 360  
catctgtgtc aggaaccacc actcctacta aaggatgacc gtaagctctc cccgtgtaca 420  
aaaatttggg aacactgggt tgactcctgt tgtaga 456

<210> 172

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA076672

<400> 172  
ttttactttg aacattagca ttaagttggt taccgtacac atccaaaggc ccagcatctc 60  
agaaaaatca ttaggcggca cacctgtacc agagtctcac aagaataaaa tatacaatgc 120  
tacattgagt gggttaaaaat acacaaaaaa gtagttttta caatctataa attttttata 180  
cttaaaatca tgattgagtt gaaataaaaa agtgcatttc aattgctaaa aaaataatat 240  
cggatatagt aacacaaggg ggaaatcagt acattgaggg atctgacagg atgctggaaa 300  
aaatgactca ggggaagccg gcagcatggg ctccctttgga gattcaggag cggctcagtt 360  
tccacctcac tgcagttccc tggggccaag cagccctcct ctccccagta tctttcccat 420  
cttaagagat c 431

<210> 173

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA078862

<220>

<221> unsure

<222> (1)..(417)

<223> n = a or c or g or t

<400> 173

agccttagat ccaaggacag tccaaggaag tcctaagacc atggagttgg tgatctggga 60  
tctgggtttg ctgatatttc tcaccgtgaa tctcttgggtg gtgtttgtgg gcacgagagg 120  
ggcagagaat ggagagttag gctaccacat gaagcgtcac cagagctgct ccctgctgcc 180  
tgctcagagc acccggatc cactgttcaa tctgcacaag attcggggtc cagacatggg 240  
agacttcagc tgcctcagag gaccgtggac agggaaggcc agcctcgcat ccctctgtcc 300  
atgcctggaa atgactttta ttaacccaag agtttttaaat ttttggaant ttgtaagctg 360  
tcggttcacn tttttaaccc acccattcaa ttaaaccntt acaggaattg gcnaaaaaaa 420  
aaaaaa 426

<210> 174

<211> 382

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA079758

<220>

<221> unsure

<222> (1) .. (382)

<223> n = a or c or g or t

<400> 174

ggtggtcctg agagtgggtg gtgccacctg tccggggcgag agagagggcc cgaggcagtn 60  
taaggccaat gngggagaag caggggggctg cagctgngcn atgcggtgaa gccaggccga 120  
ggcctggagc agctgtgtgta ggccagggca ggggtggaagg caccggactg ggaccggggcc 180  
agggctacag ggccgaggac ccaggccaca cgggcacccc gggaaggcgg ggcaacaagg 240  
tcacgtgaca cagaacatga aacacaggca cagggttcac agtaagcaca ttggacaagt 300  
gggcacaggg tcataggcca gatgcacatc cagccatggc tggggccaga cacttggggc 360  
acagtgggtg tgtcacacac ag 382

<210> 175

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA083812

<400> 175

tacttttttt taaaagattt ttttgtaaag aagggttgta tttagaggcc agtagctaga 60  
gatccaacca gtggacctct tgaagcacta ccaggcctta aggcaccatc cgagggagac 120  
tgggaaaact attattcacc caagcctccg gaaatgtaat gtaccagcag gcaaaaaaca 180  
gttcttcatg tagtacaaaa tgaaacgaaa caaaaacaaa aacagaaagt aaaaatgaaa 240  
ccaaaacatt tcttaaattc tagtgccata gcttttttgt ttgtttgttt tttgttggtg 300  
ttttgttttg ttcataagaa agagagaaaag atactactta tccgtcagac acatgcatcc 360  
tcatgtggtc gttgaactgc tccgatttgg tcaa 394

<210> 176

<211> 408

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA084286

<400> 176

tatttttaac tttattttta ttgttgacac tattacagat agaatgacca caaccatatt 60  
aacaaaccaa aaacctgtgc acagaaacaa gatgaagaaa atatatacag atgttaacca 120  
cactcttttg atggtgaaaa catgggtgag tttctcttct acatttctgt aacttcaaa 180  
tttctataat gaacacattt catatataat ggaaatatat gtagtaaagg tggactacca 240

```

aaacactaga atgatgacct ttcaaggaaa ccgaaacaaa ataaccataa tcccacaaca 300
accacacaac tattttcttgt ttttcatctt tcttcccatc tttgacattt atgcatactt 360
atcactaaca ccctaataat cacagactag tgcacagatc aagatggt 408

```

```

<210> 177
<211> 390
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA084318

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```

<400> 177
ttttttttga aaccaagttc atctttatct aaaggattga caatcccatt ttaaacaatt 60
ctttgattta caaagagggg ggtagactcg ttagcctccc aaccttagct taaatcgtga 120
tggtgccagg ttcctgggtg ttcagctgaa tcctagacag tttcccttct cttcataaag 180
ctgagaagaa aaaaaaatta tctccatcta ggcccacggg aattttgtgc atagacagtt 240
tgaattggtc tgaagggtgt gactagctac ctacctatc acaatgccta gaaaatgggc 300
taccagatat ggtagtgtgc aaagccccga ctttctgtgc tgaggtactt ggggttgcgc 360
taaggtagac cttggcaagg gccctaagt 390

```

```

<210> 178
<211> 442
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA084343

```

```

<220>
<221> unsure
<222> (1) .. (442)
<223> n = a or c or g or t

```

```

<400> 178
tttttgctgc agaaagacct ttactgggca gatgggggtg ttgagatacc agtggacaga 60
gtgagaggat agcatgtcct ccagaggcgc gggggtagtg tccctgctg ggagcctaag 120
cctgaatgca ctaagggtcg gcaccacaga cgggctcagg ggaggccgc ccacaaggnt 180
ttcgggccct cttcataga gacaccacc ctgacctggg gtacacggcc atcgcgctca 240
cagttgtctt ggctggtctc aggagcactg tgggatgggc ttgggggctc aggaggggtc 300
ttcaggaagg aagaaggagg ctggtggtgt gtagtggtgg catgtgggag atgctggccc 360
caagaatgat gttcaggtt gagcagaacc attggacct gaacttgtgt ttcctttggg 420
ctcatttggg acagaaagct ga 442

```

```

<210> 179
<211> 440
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA084408

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```

<400> 179
tatattgtca ggctgtaat tagttttgga ctggtagtta gaagaataag tggaattatg 60
tgaagggcta ttagtgttag ttctcgtgtg tgtgagggtt ggagggtaat tatatggttg 120
gttagtttgc cgcgttgggt ggtaataatt atgtatatg agtatatacc tgtaataata 180
atgttaattc ctataagaat aatggtaaag tttgatcaag aaaataatga tatggtaatg 240
aataattctc ctattagatt gattgaaggg ggtagagcta gattagctag acttgctatc 300
agtcattcatg tggctataag tgggaagacc atttgaagtc ctcgggccat gattatagta 360
cggctgtgga tccgttcgta gttggagttt gctaggcaga ataggagtga tgatgtgagg 420
ccatgtgcga ttattagtaa 440

```

<210> 180  
 <211> 359  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <223> Genbank Accession No. AA084668

<400> 180  
 caacagatga agaaagtttt aatttctttt cacattaaac attgtttacc acaatcagct 60  
 aacagaaatt actgtaacat tggtcacgat gacttcataa aactaaagat aaatggttatg 120  
 aggaaaacttc atttaacgtg aatggtaatg ttagatactg tattttttcca tggtaaaata 180  
 caacttatct tgaagagaaa gcaaatagtt cagatcaggg agacatgctg aggttttaat 240  
 aaagaaaagc ttggccttgt ccagaacact taacaaagtt caggacaatt taggtaaaag 300  
 agatgagtga gacaccagcg ttaggcaggg acataggctc atcattcagg ctttatggg 359

<210> 181  
 <211> 413  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <223> Genbank Accession No. AA084901

<220>  
 <221> unsure  
 <222> (1) .. (413)  
 <223> n = a or c or g or t

<400> 181  
 gagcagttga ggcgggggnt ggcggggcggc ctccgtgccc atgattcagg ggcacagctg 60  
 cccagcagac acacactttc atacgcactc acaccccacc cccagacaca ccccccaggctc 120  
 tctggaactg gccaggggtc ctgctgctct cacagccgca ggacaggggt caaggggttac 180  
 cctcaccccc acccggtctc ctagegcctt ggacgcccac ggccctcttg gacttcttgg 240  
 tccctgaggg gggacggatg gggagagggg cgggtggtcga gggcgggcggc ggtggcagga 300  
 gtggaggtag aggtagctcc gtgggctccg gcaagcttgg ggctgggccc aaacccctca 360  
 aaaggggaga acttgagggg gctgacgggg gcccggggct actggtgagg cgc 413

<210> 182  
 <211> 435  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <223> Genbank Accession No. AA084921

<400> 182  
 caacataaac tccaacttca ctgaggtggc tgaccacgtc caccaccaa ggcgcctcta 60  
 aactggaact cagtggctga gccagcccca gcctcagctt tcttgtcagc tccagggggc 120  
 acagcgctcc ttctgtaggt gtctctgtca gcctcccctc ttgtgaatct tgcagggtcg 180  
 tcaccctctg gacctttggg ccgaggtatg ccggtctcgg gacggctgcg acgcaggggt 240  
 ggcgggcacg atctccgggg gtaggtgcag gtagtctcgg agatactgga tgccctcggt 300  
 cgtaaggtac cagtagaaat gtctccaagc aaactgttcc ttcacgtagc ctcgagactt 360  
 gagagactgc atggccttca ttacatgaag gttgggcaca tttttgtctg ccagctccgg 420  
 gtgcttaggc atgtg 435

<210> 183  
 <211> 572  
 <212> DNA  
 <213> Homo sapiens



<220>  
<223> Genbank Accession No. AA085987

<220>  
<221> unsure  
<222> (1)..(572)  
<223> n = a or c or g or t

<400> 183  
tagaatttat ataaatttat taattttatt ttagttgtag gaaacatcag aaaaaaagta 60  
aacttgccca gcacttcata gctgtatttt gggtttttat caaattcagc tccatttgac 120  
ataagcaatg attatcttct caaatacacc acccaccaat ttcatagcac cattcttttt 180  
ccccaaagca agaaatcata tgctgttctc agtgcactcc aagccattca ttcatttcac 240  
ctacactcta aaggtacaaa gcttcccttc tttaaacaca caaggtggca cctatgaagc 300  
aggacagaga tgaggactga ccattattgg ttaaggatca attgcaacca tctgcagaag 360  
ccaaaagata agattaaaac tgccatttgc agtaggggca gcggtgggac cacctttgaa 420  
tcccgcactc ccaaacaggc catgtttcag agtaagaaaa gtaatctaga atgccagcct 480  
gtctggcacg tcctctggaa aatggcacat ggtcatcctg attcaaagac accgnggggg 540  
ggcacggata catatnccaa tatcctttac tg 572

<210> 184  
<211> 415  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA086071

<400> 184  
ttcttgcttt ctttaaactt ttatttaaaa gtccatgcta ataagtgtgt tacatttttta 60  
cagttacatt atgatagaaa ctgttggatt ttttaaatat ctaaaacaat ggccactga 120  
agaaaggaac aattaactct ttaattaatt ccttaggata aatacccaga aatttaacag 180  
ctagggcaga cttctaatac aataccgaaa gtccttccaa aaaccaagtg gttgccaaact 240  
tatgtccctt agcattataa cattcttgag ccaatagtgt aaaaatacgc tgacaatttt 300  
ataggcaaac attactcaag gtatcttact ttccacttat tactaaagggt aattaacccc 360  
taaatagatg ctctcaaca gtgggactac atcctggtaa acctatcata agttg 415

<210> 185  
<211> 408  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA086201

<400> 185  
tttttttttt tttgctataa aattatctgg gtttaattat tatcaatata agaactatag 60  
aacattaacg tactaaacct gtatttacaa ttacatgtac aaaaaaaaaat gttctttgtg 120  
aggagcaatt ttcagcaaat ctgacaaaaca gcaagagtca ttctattttt gggtttgaaa 180  
agagaaatgg aaatttccaa gacgcccccc tcttccctct cactccagtg accctctgaa 240  
catcaatttg caaaggcctg aggtagaaag ggaggtatta acaatatcag gcactcattc 300  
ttcccctctt atgaaaggga tgaattttta ggaaccgttt tccatcattt attatactga 360  
tggtgccatc catctgcacg attaggttca gtaggttacc atgacaat 408

<210> 186  
<211> 460  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA086232

<220>

<221> unsure

<222> (1)..(460)

<223> n = a or c or g or t

<400> 186

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ttccaataag aaataagttt gtttattcct gtagecgtaaa aatctgtgct tcgggattca 60
gcgaactctt ggaaagcatt ttctgcatcc tactggttcg ttttcctgc aaaactgctg 120
ggatgcttga agaagtggta gtcagttggc aagaggtcag gtgaatatgg tggatgaggc 180
aaaatttcat agcccaattc cgttcaacat tttttttttt ttgaaatgaa gtctcactct 240
gtcgcccagg ctggagtgcg gtggcacaat cttggctcat ccgcaacctc caccttccgg 300
gttcaagcag ttctcttgcc tcagcctctc cgaagtagct gggatttaca gggcgccant 360
aaccataacc cagctaattt tttgtatttt ttagtagaga caggtttcan catggttggc 420
caggctgttc tcgaactcct gacctcaagt gattccgtcc 460
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<210> 187

<211> 438

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA086412

<400> 187

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atgttcccac aagcttttatt ccaaaaataa ttttatttaa taggtattaa ataatgtata 60
gaaggaaaag gagctgggtg caggttctgt ttacgtcctt ctcttaccct agctcttctc 120
gtgttttgcc tatttttttg ggcattttct tagcatggg atcttctagc tccttggcct 180
tataataatg gggagccacc tccagaagcc aactgctctc aatctccagt acctgtctca 240
tgaactcttt ggtgggtcaag acaagttcgt ggtagagcag ccagcgtggg gtttgctcaa 300
agagggagga gttgggatga atgaagactg tctgctgctg tttcactgtg cggtagcact 360
ccgagtcaac cgtgccgtgt ggtaaaagta accagcagt atggccttgc gtacacggat 420
atagtcctcc tggcagga 438
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<210> 188

<211> 354

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA088698

<220>

<221> unsure

<222> (1)..(354)

<223> n = a or c or g or t

<400> 188

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tttttttttt tttttttttt tactgttcca atgccagtaa tcaatttatt ttcttcatta 60
aaataatata cacagaatgt attgtagtgc cgattccttc aaattttata catatttact 120
ttctgttaaa gagaaaagga taaaatggta taaaaaaaaga taaagctatt aattaagcac 180
gagagagaag ataaatggat attttccctg tgtgaggcta agacagaagc aaatctcggt 240
aagaaaaatg ccaccacac aacaggaaat ttatccaaaa caaaacaaaa gcngttatag 300
aacccttct ctaccatcag aagtaatttc acagcaataa acttattggt taca 354
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<210> 189

<211> 334

<212> DNA

<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA089997

<400> 189  
ggtaaataga agtccttatg tatgtgttac aagaatttcc ccacaacatc ctttatgact 60  
gaagttcaat gacagtttgt gttttgtggt aaaggatttt ctccatggcc tgaattaaga 120  
ccattagaca gcaccaggcc gtggagcagt gaccatctgc tgactgttct tgtggatctt 180  
gtgtcaggga catggggtga catgcctcgt atgtgtagag ggtgaatgga tgtgtttcgc 240  
gctgcatggg atctgggtgcc ctcttctcct ggatcacatc ccaccaggg ccgcttttac 300  
tagtgtctgc ctagatgggc agaggtcatc aact 334

<210> 190  
<211> 350  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA090257

<400> 190  
tagaaataga aaaggtaaaa ttgcttttct tctgaaaaga acaagtattg ttcattccaag 60  
aagggttttt gtgactgaat cagcagtgcc tgccctagtc atagctgtgc ttcaaaaacc 120  
tcagcatgat tagtgttgga gcaaaacaag gaagcaaagc aaatactgtt tttgaattct 180  
atctgttgct tgaactatct tgtaataatt aaactttgat gttgagaatc acaactttat 240  
tgtacacttc attgcaactt gaaattcatg gtcttaaaag gagatttgaa tttctattga 300  
gcgcccttaa aaagtatacc aaccataagg ttaaattctat gtatattgag 350

<210> 191  
<211> 277  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA090434

<400> 191  
ccataatgta agaagctttg gtggcaggtt acagagttct gggatttctt ctcacaggcc 60  
caatcctgaa tgtgcccctg gaccttcttg acccttgagt ccaaggcaga tcctctctcc 120  
cagggatccg acacaggagg aacccttct ctggttgagc tgggccaggc ctaagagtag 180  
caggaactct aagaccacag agtttttata aatgtataaa tgtatcaagc caaatgtgca 240  
gatgctaact gggacattct gggggactgg acaccag 277

<210> 192  
<211> 282  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA090439

<400> 192  
attgtattaa gtttattcag ttaattcact tgaggaacta accagttttt actttctgtc 60  
tagaatgatg tacatgtagt aattgccaaa gccctcataa agccctccgg cttgaggaga 120  
gagtgtatag tcatgggttc tgccctctgtg cccttgctgg ccgcttctcc tctgccttct 180  
ttctgggact caggggtgtg gggctgagcc tgtaggggac agcatgccgt cttgctgttg 240  
gcactcccaa gtgtgccttc ttccctcttt acaaacaagg gt 282

<210> 193  
<211> 370  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA091752

<400> 193

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gaaggctaag gcagtatctc gctcacagag agctggccta caaggtgctg gagctggcag 60
gtaatgcttc taaggatctc aaagtaaagc gtatcactcc gcgtcacttg cagcttgcaa 120
tccgtgggtga tgaagagttg gattctctta tcaaggctac catagctggg ggtgggtgtga 180
tccctcacat ccacaaatct ctgattggaa agagggacac cagaaaactg cttagaggga 240
tgctttaacc accctcttct cccgtcaatt gtactgtaac tggggcaaag aaataatggg 300
gatatgtgga ttttacacag ttaatggaag catagcaata ctgtgggatg ttaaagaaca 360
ttgtatgttc                                     370
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<210> 194

<211> 316

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA092129

<400> 194

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tgcaggacaa tgatggctat tctaaacgct aaggaaaaaa aacaaacaca gaactgtttc 120
aagtactcaa gactgactta cagaccaacc aaccaccttg ctggaaccct tgctagcagg 180
cattcttata aaagaaactt tcgagcctcc ttataattgct ggaactcagc tgtgctccag 240
actagagcct ccttacctat ctatatgttt aattaatttt tctctatata atgtactctg 300
cttttttttg tacagt                                     316
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<210> 195

<211> 310

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA092290

<400> 195

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gccagaatta aaagtatttt ggggtggtgct gagggtcaga ggaagaagta aaaattgtga 60
gaaaggagaa acatgggctt tgggagaacc cagaattggg gacagaagac ctggcactaa 120
gctatagcac ttagcacctc tgatcttggt tttcctcgtc cgtaaaagga gattaacagt 180
gcttttctgc ccacctcttg gggagaaggg aataatttag ttggtaaaaa aaaacttttg 240
aataataagc actctgtctt tatataagta gccaaagcatt attattatca cccatatcac 300
tggtagatac                                     310
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<210> 196

<211> 313

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA092376

<400> 196

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ctggtgccgg cgtttgggct acggttggtg ttggcgactg tgcttcaagc gttgtctgct 60
tttggggcag agttttcctc ggaggcatgc agagagttag gcttttctag caacttgctt 120
tgacgtctct gtgatcttct cggacagttc aacctgcttc agctggatcc tgattgcaga 180
ggatgctgtc aggaggaggc acaatttgaa accaaaagct gtatgcagga gctattcttg 240
agtttggtga taaattggga aggttcctca gtccagcttt gttagggtga taaccaactg 300
ttcagaggct caa                                     313
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<210> 197  
 <211> 368  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA092596

<400> 197  
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 tgtgtcgata cttgtcaa atcagttactgt tcaggggatc cttctgtttc tcacgggggtg 120  
 aaacatgtct ttagttcctc atgttaacac gaagccagag cccacatgaa ctggttgatg 180  
 tcttccttag aaagggtagg catggaaaat tccacgaggc tcattctcag tatctcatta 240  
 actcattgaa agattccagt tgtattttgtc acctgggtca agaccagaca gctttccagg 300  
 cctgggtatca ggagctctca gcctctgagg ccctactaga gtctagagtt ctgatctgtt 360  
 ctcagtag 368

<210> 198  
 <211> 307  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA092716

<400> 198  
 gcgagtctgg aactcttttct tcggggccccc ggggcacacc atggaggtct cctgttgaat 60  
 ggcccttggt gccctagagt gggacccagc cctcacctcc cccagagcta acctgggagg 120  
 tgctgaagg gcatggggcc accgtaagca agggaaaaag ggcagatcat gcggggagat 180  
 gaccttgatc tttgattgct accctaacct tgacctttaa cccgtgattc cccagctcc 240  
 tggagagatg tctaatatct cttagggacc agaccctaaa ttctctctcc ccatttgatg 300  
 ttagtgg 307

<210> 199  
 <211> 314  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA093497

<400> 199  
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 agtgagtctg aggatagttc agatgatgaa cctttaatta aaaagttgaa gaaacccct 120  
 acagatgaag agttaaggc aacaataaag aaattactgg ccagtgtctaa cttggaagaa 180  
 gtcacaatga acagattttgc aaaaggggtct atgaaagtta tctacttat gatttactga 240  
 agaaagattt cataaaacac tgtaaagagc tatttctgag atagagcaga gagatgctcg 300  
 tccatagatt gagg 314

<210> 200  
 <211> 309  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA093923

<400> 200  
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 atataacacc ccacccctgt tcgcttcctg tatggtgata tcatatgtaa catttactcc 120  
 tgtttctgct gattgttttt ttaatgtttg gggtttgttt tgacatcagc tgtaatcatt 180

cctgtgctgt gtttttgatt accctggtag gtattagact gcacttttta aaaaagggttc 240  
 tgcacgtggt agcatttgac cacagtggac gcgtggctat gcagggtgatt cctcagtcct 300  
 ccttggtct 309

<210> 201  
 <211> 271  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA094507

<400> 201  
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 ctctgtggct gtactgctgg agaattgtcc caaccaaagg gaaaagagac cagaaggaaa 120  
 tggtggaagt gagtggaatc tagccatgcc tctcctgatt attagtgcct ggtgcttctg 180  
 caccgggctg ccttgcattc gactgctgga agaagaacca gacttaggaa aagaggctct 240  
 tcaacagccc agttattctg gcccatgacc t 271

<210> 202  
 <211> 207  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA094517

<400> 202  
 aaaaccctca accctcacct tggaaatata aagaaggag atatgaaaga gaaggtagaa 60  
 ttttaacagct atctaataa tgctgctgaa ttttaattaga tggagctgga aagccttttc 120  
 cagcagggca agcaccttaa tttttatggc atttattagg acatcttgag ctactgcata 180  
 aattttaact gatacacagt agttaat 207

<210> 203  
 <211> 278  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA094752

<400> 203  
 gctgggaaga gcttcagcag tcccatgtgc acgtccatga cttgcagagc tttggccttg 60  
 acaacatcaa catgaccac tgtgtacatg aagggtggac gagaggtact gaggactcat 120  
 cgattcgctc atctaccact cagcacgagc catccagaag gaaattgatc tagggaggac 180  
 accgtagtca ccctcggctc tctctgtctc ctctttctcc tggcctgtgg tgtccccagc 240  
 cttgccacct tcacctctgg tcagcccagc ccagggtga 278

<210> 204  
 <211> 344  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA094999

<400> 204  
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 attggtcatc taaagctgtc aaataagaca ttctgtgaaa ggtaaaccatc gaaactgggt 120  
 ataagtaaaa ccatcaagcc aacaacaggg tcttgagata acctttgaag cttattgtac 180  
 tggcctgcac cagaagatgt ctgcattact cattgtctaa aatgtgtagc acagaactgc 240

actaggatta atttgtttac aagaagaaat ttaaactcta cgtttggttt tcacatacag 300  
cagctctatt gactaacatg catctgagtt taagttgcaa aggt 344

<210> 205

<211> 465

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA098864

<220>

<221> unsure

<222> (1)..(465)

<223> n = a or c or g or t

<400> 205

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accttcacgc tttctctgta agttttcatt caaaacatct ttcaatttct tttttttctt 120  
tttctttctt tttgacctca ttttagttag tttgagtttc ttgtggctct gtagtgactg 180  
gctctaatag aatatccctt acaactttgt ggcagttaat ttctggatga tcaactgtgac 240  
ttccatttac atgtatttgg caagatttta gagtattttc ttttaatgga ctgggttcaa 300  
tcttnattct ggaagcttca ccgtattttt cctgattttc tataaacctt attttcacct 360  
ggactgagag gctctccaaa ggccagtaac ttcccttgga ctccctggtt tcccnaaaat 420  
tttcctttac aacaatcagt ttttttaatt tcacaagggc tggga 465

<210> 206

<211> 323

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA099225

<400> 206

atctcattca ttttataata ctttgtttta attattattt agaacataaa tcaatgtaaa 60  
aatgtgggta tatacatata aaaatacata aaactaaaaa gcaaaaaaat ggcatttaac 120  
atttagccat aataatatat aacatactac aggtcacatg tacattttca ttcattgataa 180  
cttagtatgc ctaataatta tgttaaaaaca atattcttaa aatgcttatg tatacaatgg 240  
aatcttaaaa tgtgtgtgat tcgaaccatt tacactgtct taagcactca aaagaaagaa 300  
actgtcttct gaatagttcc taa 323

<210> 207

<211> 358

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA099391

<400> 207

tatctgcttt ttgctgctag tttcaaactg ccagtatttt tccttttgct tttaaaatag 60  
ttacaatatt tttcatgata gccacagtat tgccacagtt tattataata aagggttttt 120  
atcttgattta gcgcattcaa agcttttttc tatcactttt gtgttcagaa tataaccttt 180  
gtgtgcgtgt atgttgtgtg tgtgcagtgt tggcgtatat gtgtgttaca ggttaatgcc 240  
ttcttggaat tgtgttaatg ttctcttggt ttattatgcc atcagaatgg taaatgagaa 300  
cactacaact gtagtcagct cacaattttt aaataaagga taccacagtg caaaaaaa 358

<210> 208

<211> 275

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA099404

<220>

<221> unsure

<222> (1)..(275)

<223> n = a or c or g or t

<400> 208

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attagcataa ttacttttatt ctaacannta gtttaacaca aattcctaata agtctgatcc 60
agggatcttt ggggtctacg cttcccatcg cctcagtgtc cgggtgcatga ggaagggtgtc 120
ctctgaaggc cggggccgga gttgaagtcg gagagggggc agaccgtcca gggtcagggtg 180
tgagattca taaaatagcg tttctgggtc acacaagatg gtcattgtctg gcccaggccc 240
aggtggctcc tgggtgggag ttggggccaa agcaa 275
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<210> 209

<211> 475

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA099571

<400> 209

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agagcatttc ttctgggctc ccagaaatag cttcaacaac acatttgtat tttcccttag 120
aaaattttat tcccttgaag gagaatgata ttgttgatt cactgtctct cccttcagag 180
ctctgcaaaa agagtaatcg tcatcagatc ctccggcaaat aacttctttg cgctttggaa 240
gattcatggt gttgacagtt atatagagat tgaaatataa ttgcttttaa tctctccttg 300
gaatgtagaa aatgtgcaat aatccttttg atcctttcaa ttctatacag ggggttaacat 360
taattgaaat tgggtattgc attttatcac agtaggtgta tgaaatactt gcacgcgatg 420
agttgcagac ccaatactgc ttctgagctt cagtaaatat ggaagaaaac agggg 475
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<210> 210

<211> 476

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA099589

<400> 210

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ggaatgtaaa tcttttatta aaacagttgt ctttccacag tagtaaagtt taattctatt 60
aatggtttca taacacggtt gatctaagta atcatcagtt ctgtaaagtg caagagcatg 120
accagtaaaa tctataacgt cttgacccaa atcaaatttc ttatacacat ctgcgattgt 180
gggtcttctta ggatcaatgc cttcaaaagt tcttggtatc ttttcatcga agttggcaac 240
atacactagg aatttcctga agcgacgttt ttcaaacaat cccattaggc tagatgccag 300
ggcttctgct tcagtgggaag gaaccttgta gatttttcca cccttataga caaagctccc 360
ttcagtcact ttaaaatcca gatagcgagt tacctctgta taaagcagca tcttaaccag 420
ctgaccatta gccataagga acttggaat caagtcaaca ttccagtctc ttccag 476
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<210> 211

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA100026



<400> 211  
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 tcagaacgtc tgctaaaatg gaatacacct gtaaacaaat gccttaggga gagtttatag 180  
 gtagtcagct ccaactgtgca aggtatgcag ctgatacctt cttgctgaat agatttttgc 240  
 agtagccaaa aaagatcaga ttttagtaat aaaatatctc aaaggatgtc aaacattttt 300  
 tagagggcct aacatgggca aaattacaat tacatatata aaaatggcac aagaatcaac 360  
 tgatttcaca gaaatactaa taaaacattt cagggtctat tattaagaga aaaaaatgtt 420  
 tgact 425

<210> 212

<211> 456

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA100719

<400> 212  
 tagttataga gctaattggc ttttatttgt gatttatgaa ttaaagcagc accactctac 60  
 aagtacagtg atagctcccc ctgggcaata caatacaaga acagtgggtt ttgtcaaatt 120  
 ggaacaagga aacagaacca cagaaataaa tacattgggtt aacatcagat tagttcaggt 180  
 tacttttttg taaaagttaa agtagagggg acttctgtat tatgctaact caagtagact 240  
 ggaatctcct gtgttctttt ttttttttaa ttgggttttaa ttttttttaa ttggatctat 300  
 cttcttcctt aacatttcag ttggagtatg tagcatttag caccactggc tcaatgcgct 360  
 cacctaggtg agagtgtgac caaatcttaa agcattagtg ctattatcag ttaccaccat 420  
 ttggggggctt ttatcccttc atgggttatg atggtc 456

<210> 213

<211> 435

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA101055

<220>

<221> unsure

<222> (1) .. (426)

<223> n = a or c or g or t

<400> 213  
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 gaaattgttt caggctccaa aagaagagga ccacatgtca ctgatgctgt atgcttgata 120  
 aaaagatgct caaacgtttc tggcttctga aaattaagtc cttgtgcccc ggaacaattc 180  
 ttgggggttcg gaacatcttc ccaaaaatagc tttntcattc tttgggtgtga tattaataat 240  
 gttccaagca ataagatnga agaggnaata attacnggca caattacntn taaacctgca 300  
 tcaactctggn gtttttcaat atcancctac agtgaaacta ttaattancn ttgggtttcc 360  
 cactccttcc ntaaatantg ggtaaagact gaacngggac ntctnaatgg ggataaaaatg 420  
 atcangggna taaaa 435

<210> 214

<211> 512

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA101235

<220>

<221> unsure

<222> (1)..(512)  
<223> n = a or c or g or t

<400> 214  
ccataatttta ttttaagccc taaaatgaaa ttgtgaacca ttaaaaatat gttgtaaaac 60  
tatttaaatgt cataaagaga actaactctg tttttatggg ccatctacca atgtcttccg 120  
agcagttctc tctcctcaaa cctcctctac ctctttactc accctcactc agcctaact 180  
tgcttccgat tttattaagg aaatccaatc aatcagaaga ggtttctaca atttactatc 240  
acattttacc accagccatc acctctgcc aatatgctcc tctcctatcc caatggctgg 300  
aatgtctcag ggaagaccaa gcccttcact tgtacattag atcccagctc tctgtcccat 360  
ccattatgga agctgcacat caccacagtc acacaagagg ggcactctga atgaggaatc 420  
ntgtaaacta ctccaaatca ncagtcttga acagtcttga acacgcattg ggttaaagta 480  
ctcctttatc tggtagattg gctacctttt ta 512

<210> 215  
<211> 493  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA101272

<220>  
<221> unsure  
<222> (1)..(493)  
<223> n = a or c or g or t

<400> 215  
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tccccagggg caacccagg atggtanagg ggctggctctg tccccaccca cttctccagg 120  
atcctccagg cccccagntg cntnttccct ccaactgtca gctgcttagc tgctcatctg 180  
gggattgcag ctggagcatc tgtcaagggt gtctccttga caaacagctt cctctttgga 240  
aatggcttca ctccaggtcct gcaggtcatc gagcaggaca gagagggacc cttttatgga 300  
ctccctgggtg ggcactgctg ctgctacagg tgcagatgct gaacactctg gaggcctggg 360  
gntggacacc acagatttct tcttatccag tagggaagga agaactgtca acagtcgctg 420  
ctgcttgtaa cgggagagga gaccttccctg ctgcaagggtg gccagcatga ggttcttatc 480  
cctctctaag ctc 493

<210> 216  
<211> 444  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA101551

<400> 216  
ttttctagta agactagatt tattcaatac cctagtaaaa gttttgatta taagtatcca 60  
acagtataaa aagtacaaaa cagatctgta gatttcta atattaatac aaagtgcag 120  
actacataca gtacatccta caggcaaaga gaggtggaag gggaaaaaga agactgtggg 180  
tgaggtctag taataaataa ataaatacag aagtagagat gatccatatt atagtatatt 240  
ctaccaccaa tactgcagcc aaaatgtaca aaaaaaatca tttcaaataa ctccaggagga 300  
tgataatggc tggacttttg taattcacct caaagactgt gggagagcca actcaactca 360  
ctgtatagtc tgtgcatatg gtggcttgta gcatgtaggt tttttccaaa agaaggaaat 420  
ataaaatggt tagattaaga acta 444

<210> 217  
<211> 451  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA101632

<220>  
<221> unsure  
<222> (1)..(451)  
<223> n = a or c or g or t

<400> 217  
tctcaacatg gaaaaactgt tcaggcacaa agattaaaca agcccgcggt gcattcccttg 60  
gattgtactg aatcactggg tccccagcc tccctacctt cccctgcacc ccagatctgc 120  
cttccccata ttcattggcct cctcctccaa agcagcccaa agcagcaatg atatttacta 180  
ttttatatca atctcttgct atatataat atctctatat atctatatat ttgtctatcc 240  
tatatatata taggatttta atgctttgaa tgagtgaagg agtgaatagg gaaagagcac 300  
atgagtgagg tgtaaatgtc accaaatgca ttaagggaca tatttgtagg agctggacat 360  
ggggaaaggg actattaacc aaccgtggcc nttgccaggc tgggagaagt tttncactgt 420  
gctggataag gcagtagcaa gcaggggttg t 451

<210> 218  
<211> 419  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA102098

<400> 218  
agcaaaaaat ttttaatttat ttgatttgca tgctacagag atttagctaa actttgttca 60  
tttggctagc aatattcttt ttgtacctgt aacacttaag attctgatat acaaaattgt 120  
aataatatac tgataattca aacttgagaa ctaaataatta cattcttttt accctgtgcg 180  
aataaattct acctttttaa aatagtattt ataataatta aattcatatt tgtccatatt 240  
gttttgtgat caagttatta aaatgttttg tcaactgtgaa tcatttgggt tagtacaaat 300  
atgacaagat tattaaaagc tgcctataaa tacataacac tattgctgac ttttaaagtg 360  
tagaaaaagg attatattaa aataagttca tctctcatgt tagaaatgga ggaaatttt 419

<210> 219  
<211> 260  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA102489

<400> 219  
agtctacaag ttcagaccca catgtaacgg atttttgctt catggttgtc agaggctagt 60  
gtgcattatt tctgaggatt atatccaatg acacgacgca gaaaacacaa atggacggac 120  
agacggatgg acataatcat taagacaaga gactctaaaa cgtgccttag tgtccacgtg 180  
attgatctaa ggcggggacc cttctaagggt ggggacccga gtgatctaaa gcaggggtggc 240  
ttccagcaca agggtgccga 260

<210> 220  
<211> 421  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA102571

<220>  
<221> unsure  
<222> (1)..(421)

<223> n = a or c or g or t

<400> 220

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aatgtttcac tctttatata taattgaata cttagttatt gtgacaaaaa gttagtatgg 60
ctaaagaaaa taatgcaagt acatcacctg aaataacncc tgtatccac gatacatgaa 120
tccaattcca atgctgtttt ctttctattt cagcaacact atacgtagtt taatagtcaa 180
gataccactt gaatactatc caagaataat cagatctgct caagttaggt ttatataatt 240
taccaagggtg atagattctg actttgaaga ttactgacca ctgatcacta agaactaata 300
ttagctgacc atatgatncc ncaagaacta actttgactg ataaatttga atttcatctt 360
ttgtacactg aggaaagaga ttaacaattt tctccacatc aagatggctt gtnttgaagg 420
a 421
```

<210> 221

<211> 469

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA102837

<220>

<221> unsure

<222> (1)..(469)

<223> n = a or c or g or t

<400> 221

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gcaccttgaa acaattttaat aatgtattac attacagtag catcacagca gcagtcaata 60
atgccacttt agacaaaaat cagtatttcc attatgcatt ctgtgtataa gaattcataa 120
atcggtaaaa gtcattctaa gaaaacttgg caaatcacgc tttggactgg aattggcatt 180
tctttgtcta cttttccttc ccctagattc tttgttttaa actacagtat tcatatttna 240
aaatgtttta aattatttta agacgttaat atagcagtta catttttgaa tagttatttg 300
aaagtgactg taagataaag ttttagagaa tctattatgg ataggggtga tttacatttt 360
cacattttct aaaaatcagc tttggtttta gaactgattg ttttccattn tgggaaaacc 420
taccaggttt aatcaattac tttaaaaata attatcatat tttgcaggc 469
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<210> 222

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA112101

<220>

<221> unsure

<222> (1)..(346)

<223> n = a or c or g or t

<400> 222

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tttttttttt tttttttttt ttaaaagact aatgtaactt cttttaattg tcattttatg 60
ctttctgcag ctgcccgccca ccctcccttc ccttggatga ccacttttgt aggctatagg 120
ggaccagggga acaaaggctg tttgnnnnnn gggngggaca nannancccc aatcanntgn 180
nnnanannaa gctanaatta caaatnnann acaanaanta atgctgannn ctgggagagc 240
tgcanagnngg ggaggccgcg tcctctttgt caggggtctat ttggcagtga ccttgctctg 300
aaggcgatgg tactccttca gctgacctng gccaccccg atngaa 346
```

<210> 223

<211> 433

<212> DNA

<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA112209

<400> 223  
atcttatatt tatattttat ttccttctct atagagagag caggtaaaaa catgttttagt 60  
gtttcctcgc tttccaagt acattttatc ttgagcagat ttaaaacgag attagctgta 120  
ataggactcc aggatgtggg cagatgtcta cttgtcaaag acaatctctc ttgcaatcag 180  
ctccttcatt atttcatttg taccaccata gattggctga actctggcat ccacataagc 240  
ttttgcaatt gggactccc acatgtatcc ccaacctcca tggagctgta cacagtcgta 300  
agctacacta ttttgtaact cagatgccca atatttcgcc atgcaagcag tggcggagtc 360  
caaacgtttc gcttcatgca gctggagaca gttgtccaca aatgctcggg ttacacatat 420  
atgtgttttt aag 433

<210> 224  
<211> 373  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA112679

<220>  
<221> unsure  
<222> (1)..(373)  
<223> n = a or c or g or t

<400> 224  
atacagatta taaacaaata gaacaatgaa tagtagtact tactcctttc ttgtcatgaa 60  
tccaggattt aggtcaactc aatatgaaaa actgaagcac actacagaca acaggacata 120  
gagaatgagt ggtatttcct tcaaattgaa catcttgtga agtgacatat gtatcccaat 180  
gatgcaaata atgctcnaaa cttttttttt cattttttta caatttttaa ttttttttaa 240  
gacagtgtct cactctgtcg ctcaggctgg agtgcagtgg cgcaatttag aactcactgc 300  
agcctcaacc tcctggggct caaaacaatc ctcccacctc agcctttctg agtagctagc 360  
actacaggca can 373

<210> 225  
<211> 375  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA112979

<400> 225  
tttttttttt ttttttggtt gcatcaaaca aaagagagtt ttattttaag ctttgcattt 60  
ccttaaaagt gaggactttg tcaaacattt ttatccactc tgagaaatgt acaatgatta 120  
gaaaagtgcg tgtcataata attttcatat atatgtactc caaaacatca caaacacacg 180  
gctttgggat aacttaagga gtataacctg aagattttca aatttcataa attagccttt 240  
aatgaattgt acaaaatatt tttataaaaa aagtttatgt tttctgaaca catgagtatt 300  
taatcattac ttccacctcg caagactcac aggaaaataa aacagttcaa atagaaaagg 360  
agaaaaaagt ccaaa 375

<210> 226  
<211> 234  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA113149

<220>

<221> unsure  
 <222> (1)..(234)  
 <223> n = a or c or g or t

<400> 226  
 gtgattttatt tgcaatgggc acagtgatgc aaaaacaaga tattaagact ataaaatatg 60  
 tgactacaaa gaaccagcga aataaataca tagatattag atagtccaat aacttaagg 120  
 nccccgtgcaa cgatncgagg gatccgcgc caccnggaagt tcttcttgct gcagggcttg 180  
 gagagcgccg gccacgtcct agcctcggtc cgactcgctc agcgtatggc ccgc 234

<210> 227  
 <211> 460  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA113303

<220>  
 <221> unsure  
 <222> (1)..(460)  
 <223> n = a or c or g or t

<400> 227  
 taacaaaaca aaacatgttt ttattgtttg attaacaaac tgggtggggg aagggcaaga 60  
 ataagacatg cggggaaata ccagctttga ttagtcagaa actcctgtta tctgtacaaa 120  
 aaaatgaatg ttacaaaaat cactgaaaaa aactaggctc aaggaagcag ccgcccttgc 180  
 aagagggctc aaggcacctg ggaggctgag aagaggccaa cctggccatg ggcgtggctg 240  
 catggacagc tcttccctcc tgcccttccc cagatgccct tccctcctgc cccgagggac 300  
 cactccctct ccccaattac aggtgctaca aaactgcctt gaataccacc gccaaaggcag 360  
 tgccagagat gaaatgggcc ctggagcaga gcctcaggct tccctcccc tgtagcccag 420  
 gcctggagaa aggagggctt gttcccaggn ccagggtggc 460

<210> 228  
 <211> 579  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA114949

<220>  
 <221> unsure  
 <222> (1)..(579)  
 <223> n = a or c or g or t

<400> 228  
 ntttgcattc agaaaggagc agactgtgga gcaaagggtg tagagaaaac gaaccctaca 60  
 gaaccagttg gagggtgttg ccgagtggtg ggagtttacc aggtggtaga atatagtgag 120  
 atttccctgg caacagctca aaaacgaagc tcagacggac gactgctgtt caatgcgggg 180  
 aacattgccca accattttctt cactgtacca tttctgagag atgttgctca tgtttatgaa 240  
 cctcagttgc agcaccatgt ggctcaaaag aagattcctt atgtggatac ccaaggacag 300  
 ttaattaagc cagacaaacc caatggaata aagatggaaa aatttgctt tgacatcttc 360  
 cagtttgcaa agaagtttgt ggtatatgaa gtattgcgag aagatgagtt tccccacta 420  
 agaatgctg atagtacagaa tgggaaagac aaccctacta ctgcaaggca tgctttgatg 480  
 tccccttcac cattgctggg tcttcaatgc agggggccat ttcatagatg aaatggccct 540  
 cgccttcag caatccccgc cgtgctacaa tggganttc 579

<210> 229  
 <211> 417  
 <212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA115562

<400> 229

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attttacaaa tacattcata ttcaaagaca tgggtgctta tgggagagga tgggtgtaaag 60
aaagggaaaa aagccataaa accagagaat ctttgcattg gactgtattc ctgagatccc 120
aaaccaaagg gatgaatgtg ctgttatgcc tttaatgtgt gcaccaggaa atgcaaacta 180
gaaaggggtg ctctgaaggg tcctcagggt aggaagaccc ccagggttg agaatccacc 240
accttcattc ttcaaaaagag tacctcagtt gtctgcttac gcttcagcca gcatgtgtga 300
gcttggtcat ttcctgcaag ccaggcaacc acaccagtgt ataagcctca agcaaattgc 360
actcccaagc cccaaatggg actaaggcct ctgctgggct aggcgtgggt taaatcc 417
```

<210> 230

<211> 356

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA115735

<400> 230

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taaatatgac agtcttggat ttatttgtaa gtgtttaaaa tgtccaatat tcagaagttg 60
tcagggtgtc ttaccacctc cccactccct caaccagtcc ctgcttccag ggtccaggag 120
aagcagtgtt caggcagagt agtctcttgc cagagcagaa caaggagtcc tgggtggccaa 180
gtggcaagta tgcaggctgg gctggtccct ggtgggactt ctctgggct tttcctccca 240
tcattcttct tcacgtgtct ctcagccctg gcagagtttg gagctgatac cctgggtcat 300
ggccacagtc cagttcactg ggtggatgtg tccctggctt ctgtccatgc caggct 356
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<210> 231

<211> 610

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA115933

<220>

<221> unsure

<222> (1) .. (610)

<223> n = a or c or g or t

<400> 231

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tttttttttt ttttttttta atttcaggct aagtttatta tacagaaatt atattaatgg 60
gtgggataaa tactttacag gagaggggtc cactctcaga cactttggct cccaaagggc 120
ttggagcttt tgtgaggctg agcatcttcc aaccagggtg atgcactggg ttgccaaact 180
cctcaccacg cccaatccag ccccttcaca cactgacatc gcctacctgg gccctcctng 240
nggnnttnnt ttttatctaa ccagtgtaca caacatattt ataaccaatt aatacgtgtg 300
agtcattgatt tgttttaaat gtcagctttt gtgaactgaa ggggatgggc agaaggcagg 360
atgctgtcct ggtcaggaat gtgaccaga ttttaacact gtcctgcac gcggtaccat 420
ggttggtgac gctggtgaag tcgtcaaaac ggagagccag ccagctgcgg tgttggggtc 480
naagctgaaa gggtagagat tccacagatg cagcatcttc ttccagacgc ggtactgcag 540
gagcccagta cttgcagaca tcgataagca gccggctngg ctngctctgg ctccatgggc 600
anaaaatccg 610
```

<210> 232

<211> 465

<212> DNA

<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA115979

<400> 232  
tttttttttt gaaattcatt aaatacactt tatttaaata gcatttatct cagttggctc 60  
tatgccagtt ggtcttggtt ttggggtaag ggggtattgc aggtaaaaag aggtgaagca 120  
gattctggct ttcagtttct tagctcagaa attccagcaa tccctgtagt tctttgcac 180  
ccctcaccac ctctggaata gagagcaggg tcttataaat atgctgaaca atgtcatcta 240  
gtttttctaa ctcttggtca gagccgccga agttctcttc taggatattt ctatggctct 300  
ggaacttgat catgagtttt tccttctcat ttttcatctc caggaacatc actctcagtt 360  
ttggtccacc tcctgagaag agccacactt tctcctggat ccaattgggt gggccatagg 420  
ctgggcagtt tggagtccag ctgggcctgc cagggcctcc tggag 465

<210> 233  
<211> 261  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA116036

<400> 233  
gagggaaga caaacgtat ttattccagg ccaggcttta aaatgcacac tgcacgggtc 60  
cctgttggtt tcagcaccag taaggaaaga acgtgcctta acggcagccc caccagagc 120  
ctgctgcgtg gctgctgtga ggctcccat gaatccacgc agtcttcttc ctactgggtg 180  
cagttgggtg ggttttctac cctcacagca aagggatcct taactataaa ttcacgggtat 240  
gcagagaaga ggacagaatc t 261

<210> 234  
<211> 441  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA116075

<400> 234  
tgtaatttta taaaacaact gtattgttca gatttaggag acaacctaa aagatgattc 60  
tgagttagta ggatttttgc tattactggt atgtgaaaa gactgctcaa ttaaattgaca 120  
gattgttaca tatctcccta acaagagggg cgaactgata ctacaagcag ccagaacaac 180  
ataattagaa tagaattcca aggttatatt aatagagtaa taagttaatt aaaaccaaga 240  
tcaactgagc ttctatttac accagttcag acagcccaag aggaaaagaa ctctatttta 300  
gagacatatg tgactctttg agcttctgtc atccagggtc catttctgat gcagcacatg 360  
tgactgaac agttggcaaa gaaggaaaaa gattatggta gatgtatgtg cagatagtct 420  
ctctaattgat gtaaaatagc t 441

<210> 235  
<211> 267  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA121140

<220>  
<221> unsure  
<222> (1) .. (267)  
<223> n = a or c or g or t

<400> 235  
atgttttagtt taagaatttt attttaaagg aatttctgtg gcataacata aggttttatgg 60



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tacttttact aaaagtcact tataatgacc aaattataac aatttttgca ataagctctc 120
attaaatttt cctaaaagta gaaaaagtac acattatata ccattttgca ctttaattact 180
tctttaaaat ctcaaaaataa ttcagtgtan aatggttagtt tcaaagacaa tttatgggaa 240
attacaagca cttacaaagg ttcctca 267
```

<210> 236

<211> 413

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA121257

<220>

<221> unsure

<222> (1) .. (413)

<223> n = a or c or g or t

<400> 236

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tttttttttt tttttttttt tttttttttt ttttttgctt ctattgcttt atttggtggt 60
ttatacaagt gactaaaata aatagagtaa caaaggcagc tacatggccc aaatctccca 120
gcttcctcag gctgctgtct aggatgccta acccgggggt accgctgacc accccaacc 180
ctgcaaaggg cagggcctgt gggttaactgg aggaggaggt cacattctgg ggtagaagg 240
ggcccaatgg atgggaattc ttcataataa agaggaaatg cctattaaaa aagtcccaaa 300
aatgtaagaa actctatttt aacccccaaa aaggcttata aaaaaacaaa gctaaaaata 360
atcaaaggct ccttgtctac ccctgnggga ntggggagga accaggcact gct 413
```

<210> 237

<211> 445

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA121315

<400> 237

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tttttttttt gtttacttat ttatttat ttaccacca cattattagc catgcctttc 60
tgctaactga ttttagcaag tcgaggtaaa acacatgcaa cattttctgg caaaagctta 120
atgtcaaaca atatgtgatc catactgtgt gtcgtccttg ggggtttatt tgactttgtc 180
acaatgacag ccaacagtga gactgataag cctgtaaaaa taaaaaata agactaatca 240
aatagacatg gcattttaat ctcaaagtgc aaaatcatct aactgaaaat gacggcattg 300
aaaaattcca gtgggttaaaa atgaatcaaa acttcattac gcaggcagtg gaagtgtgtt 360
gaaagattta ccaggggtgt caagtttttag acactcagaa aggaccatt ctagccatct 420
tgattggata acatggtata tactt 445
```

<210> 238

<211> 270

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA122345

<400> 238

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gataaaggag gcttttttatt taaaggcaaa ataccaaaat ggctctcttg tgtaggtgat 60
ttctactttc acactcagct tgtacatgat ccgctaacct taatttcttt ctccttaacg 120
ggctgacttg gattgacttg ttgagaatgg tatccattat taatgagtca ggagagaaag 180
ggatttctgt ggttacatgt aaacttgtga taggtctgca gaagttacat gtgaagagga 240
tagtgaggaa gtcagccatg atccatctat 270
```

<210> 239

<211> 318  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA122386

<400> 239  
 tttgacaaaa gcgatgcat ttttggatgc tttgcagaga tacatgacca aagttgtatg 60  
 catggcttgt cttttgggat ggtcccagct gtttatttta aaagaaaaaa attaaaaatag 120  
 agccaacaaa tgcaattaag aaaaaaaaaa tattgagaca caaggggacc tacatgttct 180  
 ggtctaagaa gcatgcaagt attacaaagc attccagata cagtatgaca gaggaacagt 240  
 gaacaagcat tggaacgat ctctttcttt cagaaacggg aagtctaaca gttatgtttt 300  
 cacaatggta gtgattaa 318

<210> 240  
 <211> 441  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA125808

<220>  
 <221> unsure  
 <222> (1)..(441)  
 <223> n = a or c or g or t

<400> 240  
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 ttacagattt ttttttcaaa ggctttat ttttctga ggttaggatg cccctgtgcc 120  
 cctcgctcca cacctgggca ggtctaaact tcttccagg atggcctcca cacacagcct 180  
 cccacctggg gtcacctggc tctctggggg acccgcaang anggggcagg gagcagcagt 240  
 ccgggtgcgg ggatcggggg acctcggcgg gggcatccac aggggctgca agacctctgg 300  
 tcagcatggc gtgggtgggg agagcggttt tccctggggg cctgagccag tgactcctgt 360  
 taggaccttt gtcccacctc cgcctggtgg accggcagga cctggtctag ccagtcctgt 420  
 agcctccatt ccccccacctg c 441

<210> 241  
 <211> 430  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA125831

<400> 241  
 gaacaaacag catgcactgt ggtatccttt atttaaaaat tgtgagctga ctacagtgtg 60  
 agtgttctca tttaccattc tgatggcata ataaaccaag agaacattaa cacaattcca 120  
 agaaggcatt aacctgtaac acacatatac gccacacatg cacacacaca acatacacgc 180  
 acacaaaggt tatattctga acacaaaagt gatagaaaaa agctttgaat gcgctaaatc 240  
 aaataaaaaa cttttattat aataaactgt ggcaatactg tggctatcat gaaaaatatt 300  
 gtaactat taaaagcaaa aggaaaaata ctggcagttt gaaactagca gaaaaagca 360  
 gataaaaaa gaatggaaga taacataaga ctaatatcaa aattctaag ttgatactgt 420  
 gtaggattgc 430

<210> 242  
 <211> 429  
 <212> DNA  
 <213> Homo sapiens

<220>  
<223> Genbank Accession No. AA125856

<400> 242  
acttgcatta actttattac acaaataaga catttacaaa gcacgacatg aaaggatatgt 60  
aacaaaacag acattgggtt tacaaaaaaa gtgcttacaa tttttttccg tgtgtgtgtt 120  
ttcccccttt tttgtattta aataaatagt cttgatggcc tgtacgttcc caggctgctc 180  
ttaacagggt agtggagaca tgtttgaact gtaacatgct acggccacat aatccacgca 240  
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<210> 243  
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tgttcgcatt tgcaaatctt ctgactggct gtagcaccaa accctccacc gaccccgctc 240  
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<210> 244  
<211> 453  
<212> DNA  
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<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA126044

<220>  
<221> unsure  
<222> (1) .. (135)  
<223> n = a or c or g or t

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 ccaggtagat gacat 135

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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA126059

<220>  
 <221> unsure  
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 <223> n = a or c or g or t

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 <212> DNA  
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 <211> 276  
 <212> DNA  
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<220>  
 <223> Genbank Accession No. AA126459

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<210> 249  
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 <212> DNA  
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<220>  
 <223> Genbank Accession No. AA126561

<220>  
 <221> unsure  
 <222> (1)..(263)  
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 aacntaata tcattttaat tat 263

<210> 250  
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 <212> DNA  
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<220>  
 <223> Genbank Accession No. AA126719

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<210> 251  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA126722

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 agggggggagc ccgaggttagc tcccgctccc ttgagccagg cccctgccag acctgagctc 180  
 cctcccaagc ctggcttccc caaccggtgg ccttcatggg ccagaagcca ttccttcacg 240  
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 tgcttgccag ggctgctaag tgctggtaag aaatcacttc tccgaatttc acaaccttca 420  
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<210> 252  
 <211> 421  
 <212> DNA  
 <213> Homo sapiens

<220>  
<223> Genbank Accession No. AA127444

<220>  
<221> unsure  
<222> (1)..(421)  
<223> n = a or c or g or t

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acagtgggtc agacaggggt ctgggggtcga agccctcatt tgccatccga actttctgct 300  
gtttgaaggt ctctgtggtg gccaaagact cctggagcct gaggaatcgg ggccgggcat 360  
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g 421

<210> 253  
<211> 447  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA127514

<400> 253  
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aaaattacct gacaaaaatg taaaggcttt caaaacaggt ataaaaggca aaccttaaat 180  
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ctaactctta ctatatactg gactaataac attttaaatg cagttgttcc caaatgtaa 420  
aaagaaaacc aaagaattta agggaga 447

<210> 254  
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<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA127646

<220>  
<221> unsure  
<222> (1)..(603)  
<223> n = a or c or g or t

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acaaaatgtt gaaaactgag taaaatatac atattacgga gagctacaac ttcactacga 180  
ggcaggcatg tattttttga cttgtatagc accgtcattt acagttcttc tttaaaacta 240  
cagtgaagaa tgaaaagtag tcaatgggaa aatactgttc caacttaaaa tctctaaaca 300  
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ctc

603

<210> 255  
<211> 549  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA127712

<220>  
<221> unsure  
<222> (1)..(549)  
<223> n = a or c or g or t

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<210> 256  
<211> 564  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA127741

<400> 256  
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gcatcacaaa gaattaacat attaaagcat tatattgggt atcacataaa agcatcataa 240  
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aagcgtatt catccccca aagt 564

<210> 257  
<211> 187  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA127851

<220>  
<221> unsure  
<222> (1)..(187)  
<223> n = a or c or g or t

<400> 257





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<211> 421  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA128561

<220>  
<221> unsure  
<222> (1) .. (421)  
<223> n = a or c or g or t

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t 421

<210> 262  
<211> 232  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA129390

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<210> 263  
<211> 363  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA129465

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acaacagtcc tgccagttgt tctttccaga ggcaaatact tttcattctc ttagtttttc 180  
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<211> 422  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA129757

<220>  
<221> unsure  
<222> (1)..(422)  
<223> n = a or c or g or t

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tt 422

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<211> 255  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA131084

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<210> 266  
<211> 435  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA131162

<220>  
<221> unsure  
<222> (1)..(435)  
<223> n = a or c or g or t

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<210> 267  
<211> 562  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA131220

<220>  
<221> unsure  
<222> (1)..(562)  
<223> n = a or c or g or t

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<211> 237  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA131584

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<210> 269  
<211> 470  
<212> DNA  
<213> Homo sapiens

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<223> Genbank Accession No. AA131894

<220>  
<221> unsure  
<222> (1)..(470)  
<223> n = a or c or g or t

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<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA131919

<220>

<221> unsure

<222> (1)..(464)

<223> n = a or c or g or t

<400> 270

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<210> 271

<211> 377

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA132032

<400> 271

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gggggtgggt tgggggagact gagagtatag ggtctttgta ggcagagaag gagagaggct 300
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<210> 272

<211> 459

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA132514

<400> 272

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cagatagtct cgatggataa atctgcttca ccagtaattc tatttagtaa aatccacagt 240
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ttctaagttt cttaaaaagt tccacagcaa cttaaaaacac cacaagtctt ctttccaatt 420
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<210> 273

<211> 451

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA132554

<400> 273

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tggaatcaa actaatgctg gaaacatgca tcttcagact tcattgagga attccagatt 240
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aacaggaaac atgtgcttgg catctaatag cagttgctga gggtcattcc gctctttag 360
ttgtgcctgg attgttcgta taaaggccac tgttaccgt tcttcaaatt cattcagggg 420
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<210> 274

<211> 462

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA132983

<400> 274

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aataaacatt cttaaagtgt agcagtagaa ataatggaaa ctccacagaa acagaaataa 180
attagtttct ttcagtcttg gtggaggtcc ttttgccgaa caccatactc cactgtgaac 240
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ataacagaca tttttcaaat tcagtttctt ctccaactgc agcaaaaagg caaagagtag 360
tctgtttcag gagtctgcat cgggtcctgt gagagccttg gtccacttag aacaagcctt 420
taacttggtt ctggtttcgg tatccagatc tatggtcata aa 462
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<210> 275

<211> 456

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA132986

<400> 275

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<210> 276

<211> 174

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA133214

<400> 276

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<210> 277  
 <211> 274  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA133215

<400> 277  
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 tggcgggtggc tccagccagg ggggcttcca ggttaatacc agagcctcgg ctactctgga 180  
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<210> 278  
 <211> 417  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA133296

<220>  
 <221> unsure  
 <222> (1)..(417)  
 <223> n = a or c or g or t

<400> 278  
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 aattcaaacc tacgagaaga gtttataatc tggatgtggt agtctcaggt gattttattc 240  
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 cgttgctgag ccagttgctg agctccagat cgcaaacctt ccctaccccc cgttccacgg 360  
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<210> 279  
 <211> 395  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA133439

<220>  
 <221> unsure  
 <222> (1)..(395)  
 <223> n = a or c or g or t

<400> 279  
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 tcccaaacag cgccacgggg aagtccctgc catcactggt gctgtgctgc agctccccgc 180  
 tctgccccag ctctctccca acatcttcca tgagttgctc cagggtccagg tcaactggagg 240  
 cttcgtcctc aagggggaca cttccagcct cctgggtcag ggggttcccg tgtctgggct 300  
 cttcttttgc agatgagggg caggccccct nacacgctga taggcccagg ttctttggca 360  
 ctgttttaac ttctttttccc tctgaaaagc tggct 395

<210> 280  
 <211> 424

<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA133457

<400> 280  
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gcggggagtc ccacactctc tgggtccagg cacaaagcta tcctccgttg ttctgatctg 180  
cagagccagc gccctcagca ggtacctagt ggtggcagag cgtggcctac acgttcccaa 240  
ggaggccgcc agccgggctg tacccttacc ttgggggtgt gtgcagatgg aagggtggaa 300  
gagacagacc aacaggaagt gttctcttca ggggttgcca gcccaccct gaatctcaga 360  
gcatcctcct ccccgcaaaa aggccagggc actgtcccca ccatgggctc tgtacaagca 420  
gagg 424

<210> 281  
<211> 423  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA133527

<400> 281  
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tactttttca acagaaatca gctgtccatg cagctcagtg cgatgaagat gtgcaataca 300  
cctggacacc tctgtgcttg aagacatagt tacaatgcca tagcattttg cccaggact 360  
tcgagcattt gtaactactt ttgcactcag aacctttcca tatttgccaa agaggttctt 420  
caa 423

<210> 282  
<211> 454  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA133590

<220>  
<221> unsure  
<222> (1)..(445)  
<223> n = a or c or g or t

<400> 282  
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tatcatcatt attattttcc acaacattta ataccaagtt tccttctctc acatagaata 180  
ttaccaata gaagtctcca aaaggggcca tagcacattc ataacaaaga tagaaaagaa 240  
aactttcaat gtctgctttc caatatgatg attcaactaa aacaaagctg aatttctcag 300  
ctatgaaact gaaaaaatga aaatcagccc atgtgtacat cacggccagc catgatcatt 360  
aacacctcca tgganatgag gggagaaaag agagaaacaa ctgcttcctt cttaccctaaa 420  
cttctaatat tagcttcaaa ttactttaaa aaaa 454

<210> 283  
<211> 451  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA133666

<220>  
<221> unsure  
<222> (1)..(451)  
<223> n = a or c or g or t

<400> 283  
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gccagggaca tgggtagggc gtggcatcac cacgaaggga gcataaataa cactggcagg 180  
tgggtgggca gcaggagagg gagagcggac annacacggg gacacgcagg gtcggcggga 240  
aaatgctggg acaggggtcac acggggattc ggacacgcag acacagaagg gatcatggga 300  
cgcccagagg atgccagagg gggcagacac accagagact cggggatggg catggtgctc 360  
tgcccgtggt ggccctctct ccaatactcg ccctgggctt tgcaggcagg actgggcggc 420  
tgagcactct cccagcagag ccaagcaggg g 451

<210> 284  
<211> 436  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA133936

<400> 284  
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tctcagtttt cccatctgca caatgagggg gttggagtgt gtggtctcta aggcactgaa 180  
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gtccctggta atgagcgagg atatgagcaa agcagtgagt acagcctgga attccagcta 300  
ctcaggaggc tgaggtacga gaatcacttt gaacttgga ggctgaggtt tcagttagct 360  
gagatctggc cactgcactc cagcctgggc gacagagtga gactctgtct caaaaaaagg 420  
attctacgac tatgat 436

<210> 285  
<211> 410  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA134052

<220>  
<221> unsure  
<222> (1)..(410)  
<223> n = a or c or g or t

<400> 285  
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ccaagatgcc caccgcttg cagcagggg tactctgcag gttgaggagg accagcctgg 180  
gnaggaggca agaggctgga gcactgcagg ctgctggagg cggttggtgc acagtagcag 240  
ctcctgcagc cggggtaggt tggtagcggc gtccagggac tctatggcat tatcactggc 300  
ctgcagcacc tcaagggcaa cgcagggcca gccagtgcag gtggcagggg tcggaggcgg 360  
attgtgttga caaagtcaag atgggtgacc aagagcagct gttccagatg 410

<210> 286  
<211> 462



<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA134063

<400> 286  
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tccttgctaa ggaagctatg tacttcatgc tgtggaaact ggcaaataca gaatgtagct 120  
tgtttgtttt cttagccttg aagatgacca ggtagagaga cagagtgaga ccaacagttt 180  
ttctgatttc cctgctcctc ctattccttc ctaaaaatca gactcattgt gaccagtagt 240  
cttgaggact caagctgaat gatagagaag gcagctcaga cagaaaagaa aaaaagtaca 300  
gaatttgaga agatcggaga tgaagaaaac gtacaaaatt atatataat ttatatatat 360  
aataacatga catatctatg tacaacatgg ctgggacagt tgaagaaact atacaatggg 420  
gttcagcatt ttccccttcc cagatggact ttaaggatga ca 462

<210> 287  
<211> 389  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA134158

<400> 287  
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aagaaagaaa aaagaaaccc aggggcctgt atcccctgat taaacacagc acagcactcc 180  
aggcagacat gccggtggcg gctcccttgc accattgacc tcaggccaga cacctcagcg 240  
ccaacaatgg gacctcggcc ttccggctag gtttgcccca ggctgggcag gaaaccagct 300  
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caggacttga cacttaggac aatatctat 389

<210> 288  
<211> 404  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA134549

<400> 288  
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aaactgctct ttatgagacc cccagaaaag ctggaggcac ttctctttt tggaggagag 180  
agaagacact acttaactgg ccatttcctt gctggagttt attccgattc cttttgtct 240  
gattcttctt cctcaaacct gactaaagga gtgtgtctgt tggcctgagc accttctctg 300  
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gcatcataa ccatgaggga atctcccgct ttactttgt ctcc 404

<210> 289  
<211> 466  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA134968

<220>  
<221> unsure  
<222> (1) .. (466)

<223> n = a or c or g or t

<400> 289

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gagagaaaacc tacaattatt ttgttaaaca aaattcaagg ctccaggact catctctgga 180
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tcccccgatt tggcccggtg agcttccctt tgaggggtgtg tgacttgcca tctgcaaaaag 300
tcatggccaa aacaggaact aacaggccaa actaccatca atctagtctt ctacagcacc 360
ctaacagagt gccagggtcc tctgtcncct ccgcacctga ggncaaaagt ccaggaagtt 420
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<210> 290

<211> 401

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA134985

<400> 290

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tccttctgac agcctccagc cgggacagga ttcgtggggc ctctgtgttg acatagcatc 360
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<210> 291

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA135153

<400> 291

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ccttcccaac ccacttccca ggtttttaa ccttgattac agatcccaa ggattagact 180
gtatcggaga ggtcacagta ttgaatcaga aaaagaagac atgtttttaa aggtctgtac 240
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gatgcaaaaa ggatttcagc gatgaccaca gatttctaga accctaccac gtatgctagc 360
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<210> 292

<211> 435

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA135407

<400> 292

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taggcggtga agttaagagc aatgttttgt gggcagggtg gatctcacia agtacattct 180
caagggtggg gagaattaca aagaacctt ttaagggtgg ggaagattac aaagtacctt 240
cttaagggtg ggggagatta caaagtacat tgatcagtta ggggtggggc ggaacaaatc 300
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acaatggtgg aatgtcatca gttaaggcta tttttacttc ttttgtggat cttcagttac 360  
 tttaggccat ctggatgtat acgtgcaaat cacaggggat gcgatgcttg gcttgggctc 420  
 agaggcctga cacat 435

<210> 293  
 <211> 413  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA135558

<220>  
 <221> unsure  
 <222> (1)..(413)  
 <223> n = a or c or g or t

<400> 293  
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 ttgctactaa agaacagcat tattttcaat catttttaagt cgctcattta aanangcaag 180  
 ggtntaaaaa cgggttttaa ggtgggagcc tgcaaaaagg taattaatta aaaaagtgtt 240  
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 ctggggtgcc gtctcttcgc tactgggagt tgctgaccag caggctgccc attcacgaaa 360  
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<210> 294  
 <211> 327  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA135871

<400> 294  
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 gcagctggag ggaggagctc cagcccaaac tccaacgttt gcattttttc cttttcacat 180  
 acttacaaaa gaggggagct gggacgcggt gtgggagctg gggggctttg tggctgagtg 240  
 tgtagaaaag agagaggctg tttccctgga cagtctggct cccgcagtcg tgcgggcccgc 300  
 agggggagggt gtacctgggg cagatgc 327

<210> 295  
 <211> 206  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA135894

<400> 295  
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 aatgcggtaa atctatttac agaggttggg gtgcaagatg agagaagtat cagccccagg 180  
 aatttgaagt gaaaatgatc tacaaa 206

<210> 296  
 <211> 435  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA135958

<400> 296

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gtaaatgtac tttggaagtg taaaaatcct aaaaaatcct taaagaacct tttataaaaag 180
caatgcaaag tatttactat acatctgaat aatatgcact tcataattgt gcctcacccc 240
acctcctaaa atcttatatt gatctgtgtt ttgggtttga gagccacctt aatgtggaaa 300
tgcaagaatc agcaggatca agtccaagaa gaatgaagcc agatggttct gtaagacca 360
atgtgaatag acatatataa caggaattat ttaaactgct taaccattcc caccaaaatg 420
agtagggtat attta 435
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<210> 297

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA136079

<400> 297

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gagacataag acattaatca atatatgtaa gaagaacatt ggttcagtgg ggaggagct 180
tccagggtcac agataggtga gacacaaaaca gttgcattct tttgagtttc tgattagcct 240
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gagtgaggagg tgggtttgcc ctaagaagtt tccctaagct tgagttttcc ttagtgattc 360
tgggggcccc agatattttc ctgtcacagt tgacatcccc aacacagtgt ttaggggtca 420
gaaaaagata ccctaaa 437
```

<210> 298

<211> 175

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA136269

<220>

<221> unsure

<222> (1)..(175)

<223> n = a or c or g or t

<400> 298

```
gttcagcaaa tttcattgga ttaacagcgg ctgggttata gtagctagga acagctattc 60
ctgtctctgc caaagcttta nttgcagggc tgccatctga gctgccatgg ctatctgagg 120
tgttacttgt gttcctgatg ccaacagggc agcaacattg agaacagaac ctcca 175
```

<210> 299

<211> 429

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA136332

<400> 299

```
ggctttctgg gtcttttatt tgtacccatg tgtctgtcac accatgaatg tacctgggga 60
aatcaactga cctccctgaa catttcacgc agtcaggga caggtgagga aagaaataaa 120
taagtgattc taatgctgcc taggtcacc tcaaccccca tttactggca caattgggtg 180
```

```

gagagaaggg aagggggtatg attgtcctga tggctcaggg ttgcaggagg ttcagagggg 240
aaggaggaaa ggccaggctg gaggctgggc tggttagcact tccctccac agttcagacg 300
gctcactctg ggctcaggtt tgccatggct tcctttggtc caaacatagg ccctgtcctt 360
agtcctgtgc cctgtttgac ttttggccag gaggcctttt ttgtgctgct gctgttgacg 420
ggctagctg                                     429

```

```

<210> 300
<211> 435
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA136333

```

```

<220>
<221> unsure
<222> (1)..(435)
<223> n = a or c or g or t

```

```

<400> 300
catgcttttc aacaagattc aacatctttt atttacatgt ttatgacata cattaatggg 60
catacacaaat ttttaaacta aatctagtaa caacagagga tggaacataa aagacacaaat 120
tccaaatttt agtcaggttg aaatgttttt ccactaacct gaaagataag ataaatgagc 180
agccattata aagttatggg ctgtatgtca attcacgtct taaaattgaa agtcagccac 240
acagctgtta aaacaatggg aaatttgcaa atgcaaatat ataatgcatg cacagctatc 300
acatttatct tttatcctta aagccatttt taaagtaaac tgggagaggc aacttagtaa 360
tatatgtaca tcaaggcaca ttcttttctt gtgcttttagg aatgatttac atgtgatctg 420
cntatatcnt aattt                                     435

```

```

<210> 301
<211> 441
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA136474

```

```

<400> 301
caaaaatgaa atatttatta ccgctttttg tgacttaaca cctttttttt ttaacataac 60
gtcacagtcc tcatacaagt attttaatgt aaatttgaca aagcttaaag gtaacagcat 120
tttcttctag tgaggaacac gtgctgagaa aagaagaatt catggacata caataaccaat 180
tccacagcag atctgatact agcaaaaaca ttcttttttt tttcaattga ggtaaacaca 240
tagaatatct aacatgaaac aattaataga ccgaactctg tacgaagttt gttacagtat 300
tctcttgctc ctttttatcc cccaagcttt gagtttctga taaagtccta gttatgggtc 360
aatgaccatt aataactttt tttgtgttga ggaaagctgc ccaacttaag attgttttgt 420
ccacaaccaa ggctcagaac t                                     441

```

```

<210> 302
<211> 388
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA136547

```

```

<400> 302
ttcttaagta gctatattta ttattacttt ttccagcaat tttgcaagag gcagaagtgt 60
gacattgaat tgagtgaagc gagcgtgtgg gtgggttggc gaggagccat tctcctgacg 120
caggctgctg gcttgtcaag gaatggctgg ttccaccgct gggccgtgtt tactcttttg 180
cttcaaggaa aagggtttct tgagggaaca actttacctc caataatgat ttatttgggt 240
ccagttgagt tacgtctctc ctaggaaagg tgctcagtaa cttgtactca tcccatggaa 300

```

atccttttga agctacaaaa tcaaagacaa tctggagctt gttgctggcc aggaaacgcc 360  
gctccaagaa ctgccactg ggggtccg 388

<210> 303  
<211> 397  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA136611

<400> 303  
aacaaagaat acattattat tattataagg tactcatgag taaagaacaa tgaataatat 60  
acatctaatt ttttaatact caatgcacaa tcaacatttc tgatcaacag tataaaccat 120  
ataaaaagaga attctgcttt tcatttgtac aaatactgct ttcattcattg caaaactttc 180  
aagggttaaaa cgtaccatat gttgaagcta taaagctatt gcttgaatgt ttctaaaacg 240  
aagttatttg ctgtctgttg ttaatcggtt acattgtcac ctctaatacc agtcatcaaa 300  
tccataggat ctcttaattt ccaagagatt gtattgtaca gcaagattat ttttgtggcc 360  
aatcaggtc ataggattcc ttttttttta aagataa 397

<210> 304  
<211> 439  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA136864

<400> 304  
cacacagaca cagaatttat ttctggacgc attctgcagg ctggagggtcc cggcagcaca 60  
gggctcacac cttgggtttt gcaaacacct cccagccctc cagccggccc atcttgacca 120  
gggaggccgc tatgccaaag tacacgcagg cggcggcgca attcccgtag ttgtgcgtgc 180  
gtgctcccag agtcaggcct ccgggcagca cccgaggaag tagttcaggg ggtcgtcggg 240  
cttctcgcg acatggggcg tgatgcagg ggtgaggcca aacacggccc cgacagcagc 300  
tgcagtgaac gtgtattgtc caacotttag cactccttca aggaagggtgc ccggagattt 360  
gagtgtgact ctgtaggcag cggcgggtcag gccagcgacg ctgaaaataa ctgggtggtgc 420  
tgtaggcttt gcggtggca 439

<210> 305  
<211> 365  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA136940

<400> 305  
tagttttttt tgaatatatt tacaatataa atactaattt gtttccaaag tacatatattct 60  
tttaacaatt tgagaaaatt atctagcata cgacagtaat ttaatgtaaa gactctatag 120  
tagtgattaa ggaaaaatag aactgttttg gggataagga atcctggcta tgaatgggca 180  
tgatgatctg aacttgcaaa gggaaagtga agcagcttag tccacattgc actgctaata 240  
caatatgtta aaggactact atgtgagata gcaacctgga tatggtgtta ataaaaacta 300  
aacatgagag gatataaaaa gtacacatgc ttgcataggt gtgttacttt taaagaagct 360  
ccacc 365

<210> 306  
<211> 391  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA142849

<400> 306

```
tttttttttt tttcaagtaa aaacttaaaa cgtttatttc tggtagaaat gataaatact 60
ttgcattaaa aatctggaat tcaagttttc ctcgtacttc atgctccctc cctgccccag 120
aaccttacaa aaatatttct gtctagagag ggaaagagct ggtgcctgct ctggaggcaa 180
cgtccaggtc cgggaaaggc actcgtgggc tgtgatctgt ctcagtgatg ggaggtctcc 240
actcgcacca caggcagcct cggggccaga gatgagaata tgctgtaatc cagtacaggg 300
gctgcgtcgt gggcccccaa cagctccttc tttggggata gtgagccctt gttggggagt 360
aggaagggac tgagggggcg tccctcgtg c 391
```

<210> 307

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA142857

<400> 307

```
ttttttctac acatactcct tatatttcat tattctaagt tatacacaat gttcaacagg 60
agtttgaagt ttatttagta ataaacataa gtcattggctg acaactgaga aaatcctatt 120
cacataaacc atcatagatt aaaaatacat agtatttgta ctttaatgca atagggtccc 180
aggattcaaa caaggaaatt tgattccaga gttggcatta tgtagttatg tactctgcta 240
caaagaacta gtggaggtaa acttcggcag taaaattctc aacagtcaaa tattaatgca 300
tttcatatac atggccttgc atccgtagag gaagatacag ttcctcagca cagctgcca 360
tttctgagtc tccactagag aatcctcaac agtttcttct tcagaatcaa attcctgatt 420
atccgtgatt caaattatcc gaggttcacc attcacctcg tgc 463
```

<210> 308

<211> 511

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA142858

<400> 308

```
tttttttttt ttttttttca aggggaaact ggggcagttt tattgacgat ggcaatgtac 60
aagactccac acctaggtat gtgcacgagg taaggcctga gctcaggcct tatgatcctc 120
ctcaggaccc ttgggggcaa acttctcctg cagtttcttc cacatgcctt tatctatttc 180
cttaagctct tccaagggtg ctgtggacag gatcagcttg tactcttcca acgacaggcc 240
actgaagctg gtgtctctgg ggcgagggtg cttgtgtttg tagtagtttg aatggagtcg 300
cgctaagtct cgtacatctg atcacaggcc tcaggctctgc aacctgggta ttctctccct 360
cccgaaggc ctgtgctacc cgtgtcgca ggtaagcgcc caagtcccgg ccccgtttgg 420
tctcgtccac tggccattcc tcacagagct taagaaaacg ccggtaccgt gggccgccat 480
ttgggccccg cgtgttcccc cccctcgtgc c 511
```

<210> 309

<211> 624

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA143019

<220>

<221> unsure

<222> (1) .. (624)

<223> n = a or c or g or t

```

<400> 309
ggacacccaa agaatgatgc agtattaaag ggggtggtaga agctgctgtt tatgataaaa 60
gtcatcggtc agaaaatcag cttggattgg tgccaagtgt ttttttattg ggtaacaccc 120
tgggagtttt agtagcttga ggcaagggtg aggggcaaga agtccttggg gaagctgctg 180
gtctgggtgc tgctggcctc caagctggca gtgggaaggg ctagtgagac cacacagggg 240
tagccccagc agcagcacc cgaagccag cctggccagc tgctcagacc agcttgacaga 300
gccgcagccg ctgtgggcag ggggtgtggc aggagctccc agcactggag acccacggac 360
tcaacccagt tacctcacat ggggcctttt ctgagcaagg tctcgaaagc gcaggccgcc 420
ctggctgagc agcaccgccc tttcccagct gcactcgccc tgtggacagc cccgacacac 480
cactttcctg aggctgtcgc tcaactcagat tgtccgtttg ctatgccgaa tgcagccaaa 540
attccttttt acaatttgtg atgccttacc gatttgatct taatcctgta ttaagtttct 600
aacactgaga naaaaaaaaa aagg                                     624

```

```

<210> 310
<211> 479
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA143493

```

```

<220>
<221> unsure
<222> (1)..(479)
<223> n = a or c or g or t

```

```

<400> 310
tttttttttt tttttttttt tttttttcat aagaagagag ttttattcaa cattatggca 60
tggcagtgtg attgttccaa caaaggggaa ctactttggt gcccgaggaa atggctgttt 120
gtgatgctgg ggaagagtca agatgctgac gcctaattgt ggttctagct ttccagggtt 180
gtaacatgaa gatggggaag gaaatggcac cactgctgtt tgtaatctga ggaactcttg 240
gcagcattca ctctccaaag cagtacaaaa cttacaaaaga agtcaaaagt cttaacactc 300
ccattctccc aggaactctt gncgtgtgca tctggttaagg aggggaggaa tcttggtttc 360
cctcagggtc cttgtcatgt tagctttttg atagcttcaa tccactcggc tcgttcagcc 420
ttgctggttg gcctgaatgt aatagtgtgt gtcancctag taatcncttt gaagagggtt 479

```

```

<210> 311
<211> 275
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA143763

```

```

<400> 311
tttttttttt tttttttttt tttttttttt tttctgatcc atgcacacct tattccatta 60
ccaaccactg tgccgcatcc aagcaacagt acacaaactg gcaatcaacc gcagtccagt 120
tgtacaacga tctgaggctt acagtacatt taaggctttt aaatgtggaa aaaaaaatta 180
aaaccaaaga acccccaaat ccaaacacct aaccaacaca agtagtatag caatgttaag 240
catctcctat ttctgatgct tatttggcgc aactt                                     275

```

```

<210> 312
<211> 429
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA146619

```

```

<400> 312
tggagataaa aacagcgaag tcccacatac cataccctac aagacacaag gtgcgcagac 60

```



gagccttgggt aatgtaccgg cgctgcagga agaggctgtc cgccgagcct gggctgctcc 120  
agctacgcgg ggaggcggcc ccattgcaaa gtgcagtttc tccgcggagg tggcggtggg 180  
tcagtggcag agggccatgg tttccatggt aaggaagcgg acgtgcatct tgggtctcaat 240  
gtcgatcccc tgccagatct tcaggaagtc ctcgaagggt atccccctcg acacctgatc 300  
aggctccatc ttgccccatg cacacgctgg ccgcctccat catggccccg tcggcgatgg 360  
agcgagcgga ctcttctcgt atgtgagggt ttcccgacag cagctcctcg accactttac 420  
atttcgagg 429

<210> 313

<211> 274

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA146849

<220>

<221> unsure

<222> (1)..(274)

<223> n = a or c or g or t

<400> 313

ggttttctac ctttaattgg ggatanaaaa ggcacctctc ccagtacaag aggatcaacc 60  
angagggtgan cccagtgct gtggtgccc gncagaagga acagaggaag gatggaggnc 120  
aaggcagcgg tgacccaggt gctgtgggtgc ccggccagaa ggaacagagg aaggatggag 180  
ggcaaggcag cggaggggca gtggggccca gcatccccctg aagcctcacc tgcagcctgg 240  
ggctgattga gatctcgccc actgcgcgca gang 274

<210> 314

<211> 554

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA147084

<220>

<221> unsure

<222> (1)..(554)

<223> n = a or c or g or t

<400> 314

tttatgagca aatccaaatt tatttttaatg tcatgtcatt ttcaatgtgt ttaaaaacct 60  
cataagttag tgggagccct agtttctctg gacagcatgc cagagggtact gaaatttgtc 120  
acctttctct acaaaccctc agcaatccaa tccaagtcca tagcttcaga aagccaggag 180  
ttgtgtcttc agtcagtcta cgctctggt tcntggggtt tccttncatg gggaggggag 240  
atnncaanat ttcaaacagg ggaacaaaac cagggtgagg ctccangct cagggtctgt 300  
gtaagatgga gcgaggaaag accccactng actccagaga aaaaagggtta aggtttgaga 360  
tggattatct cntttacagc tttggtgaaa atgggaagaa aaaagattta caaatgagga 420  
tnccatttca taggatggag aatctcttca taaatgaagg ctccagggtcc caaatgggg 480  
agggggcctg actggacagc ctgaatcnga tgaggaatcg gccacactgg attanaacaa 540  
tctgaaaaat aatc 554

<210> 315

<211> 414

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA147439



```

aaagtaatTT ctttattgag aaaataaaga catggttcct aaggaaaagg gctaaaaaatg 60
accatgTTTc aagtacacta gtgaatagca agtgaaacaa aatgtcttaa gcatctatat 120
gtcttatctt agatacatat aactattgta ggaacattat ttctcttata tctcaggaaa 180
catatTTtagt tataatatga aaaaaaaact aaaattgagc ttctaataka aaatcaaacc 240
ctatcagaag aagagttacg tggagtaagc gattttatac cgatgctgga cttactctcc 300
ctaccataaa atttgataa acaacaaaca tttattaagc acctaccaca tg 352

```

```

<210> 319
<211> 555
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA148539

```

```

<220>
<221> unsure
<222> (1)..(555)
<223> n = a or c or g or t

```

```

<400> 319
ctcttTgtcta gcaatctgtt aggcttctga accaagacca aatgtttacg ttcctctgct 60
gcataccaac gttactccaa acaataaaaa tctatcattt ctgctctgtg ctgaggaatg 120
gaaaatgaaa cccccacccc ctgaccctta ggactataca gtggaaactg ttcattgctg 180
atgaatgcag cagtcaccaa aaaatacacc caatcttcca gataacctca gtgcacttta 240
ggaaatcaaa aattacctgg aagcaattta gtacatagat tggcttttta aaaaaacttt 300
tttttttttt ttaaaaaacag cagcattaaa cttagtgaac tgacaccgac atgattaata 360
ccatcttaac acactcagaa ttccgccttt cacattataa tcaagcatag tgggtaaaact 420
ggttataaaa gtgactttgc tacgagagac aggttagggg aacaaacaac ctggacttat 480
gggtagaacc cntagctctg gttcagattg ccataaccat acacattttt aacnccacgg 540
tacactgtac agctg 555

```

```

<210> 320
<211> 452
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA148885

```

```

<220>
<221> unsure
<222> (1)..(452)
<223> n = a or c or g or t

```

```

<400> 320
ttttttcctt ccatcattta tttaggaaaa agttttatgt attagggtaa agtggtagaa 60
gttaacctag aatctaataa tctccaatca cccattcctg atctaatagt agccatgaga 120
aaaaatctct agaaagaatc atacctctca aaaaaataaaa aataaaaacaa aggctgggtg 180
cagtggctca cacctgtaat ctcagcactt ccggaagtgt aggtgggcag atcgcttgag 240
cccaggcata tgccttgagc cctgggcaac gtggcgaaac tcctctacca aaaaatacaa 300
aaagtagccg ggcatagtga catacacctg agcccaggag gttaagccta cattgagccg 360
tgattgtacc agtgactct agccagggtg acagagtaag accctatctc aaanaaagaa 420
gtgccataaa aaagaaaagg ctctagcctt ta 452

```

```

<210> 321
<211> 367
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<223> Genbank Accession No. AA148923

<400> 321

```
gtctgaaact ttttcctttt aatatggttt acattctatc tccagagaaa acacacttaa 60
cagaagacag aaaacattta acaaatccaa agcaattaaa aatagccaca aaaaaagaga 120
ataacctaga ctgacagctc acagagcaag gaggtggcag agacctgcc aggtgagctt 180
ggctgttgcc ccagctcaa tcttcctcct ctcctctctc tgtcccttca cctctgatca 240
gtcccagcct gattcccggt ccctgatgcc tcaccttctt gctgccagat gcctctagga 300
actagggtcc ttcagactcc agatgccctg gcctgggctt aggacatctt gacttcccca 360
gtggaca 367
```

<210> 322

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA148977

<400> 322

```
ttttttgaat caaaagcagg gtttattttt ctatcaaata cccaatccat gttccagcca 60
atggatgaag ggtgaatcaa gccccacata gactcttggg aaaaacaatt ctaactttct 120
aaaaaaaaaa aaagccaaca cacttttttc tttcttttca aaaagctccc aggcctttgg 180
gaacagctga aacaaattca tatcctgact aggtctgttt tctcttaggt atttgatgg 240
tccctctctg ctgcgacttc tgcacagatg aggcactgat aatggcctgc aggtcactca 300
caatcctagc tccacatcac tccatgggtt gataacctag aaccacgtta tgatttccat 360
ttataatgcc ctaagaacag ctgaaaagat ctgtattaaa ttctggcaaa tctttattga 420
gtgcc 425
```

<210> 323

<211> 567

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA149253

<220>

<221> unsure

<222> (1) .. (567)

<223> n = a or c or g or t

<400> 323

```
aatatggaca gggagtctca ttgtgtttat catatcaatt aatattacag tacatccttg 60
gtaatacaaa attgtacacc ttcacataat aaattaggat aaattaaacc aataaattat 120
gcaaagtctt cagaacaata gacaacaaca aaaattcaca attgaaattg cctctagcta 180
aaaaaaaaaa acaaaaatca aaaattgact ttatcagttc agttattgta ctatattcaa 240
atcaaagggg ctttattaca aaaaagagct taataatgct atttacaaca tattgctaaa 300
taatataaag gcagtgtttt gtcacgggtt atactatata catatgagaa atggctggga 360
caatattgag ggaagcccat gaccttttgg attcttccag gtagcgctga gaccnatccc 420
aatacatttt ttttccttag ttccaaattt gganggcgta atatngcagt tttnagaaat 480
tttccncccc cnttttttag gggggattgg atattttana aaaattccgg atggaatacg 540
gtttccccna aggagggtag cntgggt 567
```

<210> 324

<211> 329

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA149530

Time	Lat	Long	Alt	Temp	Hum	Wind	Dir	Speed	Pressure	Clouds	Vis	Remarks
0100	12° 00' N	108° 00' E	1000	28.0	85	10	090	10	1010.0	0	10	Clear
0200	12° 00' N	108° 00' E	1000	28.0	85	10	090	10	1010.0	0	10	Clear
0300	12° 00' N	108° 00' E	1000	28.0	85	10	090	10	1010.0	0	10	Clear
0400	12° 00' N	108° 00' E	1000	28.0	85	10	090	10	1010.0	0	10	Clear
0500	12° 00' N	108° 00' E	1000	28.0	85	10	090	10	1010.0	0	10	Clear
0600	12° 00' N	108° 00' E	1000	28.0	85	10	090	10	1010.0	0	10	Clear
0700	12° 00' N	108° 00' E	1000	28.0	85	10	090	10	1010.0	0	10	Clear
0800	12° 00' N	108° 00' E	1000	28.0	85	10	090	10	1010.0	0	10	Clear
0900	12° 00' N	108° 00' E	1000	28.0	85	10	090	10	1010.0	0	10	Clear
1000	12° 00' N	108° 00' E	1000	28.0	85	10	090	10	1010.0	0	10	Clear
1100	12° 00' N	108° 00' E	1000	28.0	85	10	090	10	1010.0	0	10	Clear
1200	12° 00' N	108° 00' E	1000	28.0	85	10	090	10	1010.0	0	10	Clear
1300	12° 00' N	108° 00' E	1000	28.0	85	10	090	10	1010.0	0	10	Clear
1400	12° 00' N	108° 00' E	1000	28.0	85	10	090	10	1010.0	0	10	Clear
1500	12° 00' N	108° 00' E	1000	28.0	85	10	090	10	1010.0	0	10	Clear
1600	12° 00' N	108° 00' E	1000	28.0	85	10	090	10	1010.0	0	10	Clear
1700	12° 00' N	108° 00' E	1000	28.0	85	10	090	10	1010.0	0	10	Clear
1800	12° 00' N	108° 00' E	1000	28.0	85	10	090	10	1010.0	0	10	Clear
1900	12° 00' N	108° 00' E	1000	28.0	85	10	090	10	1010.0	0	10	Clear
2000	12° 00' N	108° 00' E	1000	28.0	85	10	090	10	1010.0	0	10	Clear
2100	12° 00' N	108° 00' E	1000	28.0	85	10	090	10	1010.0	0	10	Clear
2200	12° 00' N	108° 00' E	1000	28.0	85	10	090	10	1010.0	0	10	Clear
2300	12° 00' N	108° 00' E	1000	28.0	85	10	090	10	1010.0	0	10	Clear

```
<210> 325
<211> 396
<212> DNA
<213> Homo sapiens
```

<400>	325						
ttttttttttt	tttgataaca	attgtggttt	tattgtgtcc	aaccaatgca	tcaataaatg	60	
aacttgaagc	ccaagcctgt	gtgtgtccta	attccactca	cccagcccg	ggcacctgcc	120	
ccactcacct	ctggctttga	gaaggggcgt	gtgtcgggtg	ttgcctggct	gcagtgtctc	180	
acctaggcta	ggtgtgcacc	ttagaagcac	aaagcgggca	cagtttgtggg	taataagctt	240	
actctgcagg	ccgctgggtg	tgtgccacc	ctcctgagcc	ccgaaagagg	acctgtcagc	300	
tctctgagag	ctgctacggg	tttgccttgt	tctgttcagg	catctgaggt	aagaaggagg	360	
qcccaagqqa	qcacctttgc	cagccttcac	catgag			396	

```
<210> 326
<211> 315
<212> DNA
<213> Homo sapiens
```

<220>  
<223> Genbank Accession No. AA149889

```
<220>  
<221> unsure  
<222> (1)..(315)  
<223> n = a or c or g or t
```

<400>	326						
gggatgggaa	aactttatta	ggtttggttt	ccagcttcgg	ccacgcgggc	tccgcnacac	60	
agaagctcgg	gtcacggggc	gccccagccg	ccctcctcgt	cgtcctccac	gtcgaggccc	120	
gggatgccgc	ggatctggcg	ttgcagcgcc	ctcccagcaa	gggcacggcg	ccctcctcct	180	
cctcctctcg	ggggcgccgc	ggtggcgggc	acacggcccc	gggggatggc	tctgggggca	240	
cgggagggctg	cncgacacgc	cctctgcnc	ctccgagatc	cctgcgcgct	cgccctgcgc	300	
cccctcgtcc	aqqgc					315	

```
<210> 327
<211> 344
<212> DNA
<213> Homo sapiens
```

<220>  
<223> Genbank Accession No. AA150053

105

<221> unsure  
 <222> (1)..(344)  
 <223> n = a or c or g or t

<400> 327  
 gagcaggagc tgggcctttg agggccctgc tccaacccca agctgcattt atgatataac 60  
 ccatcacagc tggatttttaa aaatacacaa aaaaatatat aatatacatt ataaaaccta 120  
 ggtgggggttt ggaggtggcc tgagcgatat gcaaacagtg aggaccttca ggaagctcgg 180  
 gcaggggtcgg gatgnnngnag ggaaggggca cagtacttca tatganactc ataaaataccc 240  
 acaggtggct gctggacagg cccagctggc tctggggggc tgggtgttta agaagggaca 300  
 gcaggttgaa ggggttaacc ttcaagtccc agaaactggg gtct 344

<210> 328  
 <211> 416  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA150205

<400> 328  
 gtattatttt gttttttttt tgtttttgtt tttgtttttt ttggtctaaa tagaaaaaag 60  
 gaaaaggaga aagtaaaattc ttagggccag acctcgaaat gccccaagtg tccaattggc 120  
 agctatagca tttgtgagga ggttcctttg ccctcagacg agtagtttca acatttcagt 180  
 gaaaacaaaag gttgcagaaa gctgaaaacc cagatcttga aggttgctgt catatatgtg 240  
 tttgtgtttc ttatattatt tccttttgac ttcagttttg catcccaaat atgtatgggg 300  
 tggcatttta acagtcaatg agtcaaacag tcaaaggagg acaggagggg agccagctgg 360  
 taggagggag cagcaaccgt gtgtggacca agcgccattt ttgttttata gacgtg 416

<210> 329  
 <211> 504  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA150284

<400> 329  
 tttttttttt acaatttcct tatttccttt attttaatgt gtcaaaaaaa cacttaaaga 60  
 tattcttgta aatacatata agctgtgtgt caacattcag tactatgcaa atcatttttc 120  
 aatatgacaa aatgaaaaac ttacacactt tagggtagcg cttataactt atctttgaaa 180  
 tctattgctg atgctaggtc taaagagcaa tgactcaacc agaaaaaata gttaaaggctg 240  
 ccttttcctt tttaaagtgc ttattagctt tatatccaaa aacaatggtt tttacaaata 300  
 cataatactg aaagggtgctc aaaaagtcac cacttacaga attgaacatg tcatttttcta 360  
 actctgcaca tgtaaacttg ttttatctgc attaatgaag attgcttcaa atggctctca 420  
 atcatatgct tcaaatcaag acagtgctaa gttccagcag cataaacagt gacagcagga 480  
 ccaaccccag cacattttca gtgg 504

<210> 330  
 <211> 206  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA150776

<400> 330  
 tagggtttgt ggcacataat ttgtttaatc cagattggat acatcaggta cagcagtggc 60  
 acacgactca atactgtaaa tgatatacat gttttaacat atgcactaca gtttcaaaag 120  
 aagacgacag gaaactcaag ggtgtttttt ttttttcata gaaagttttc atgttttatc 180  
 ttcctgcagt tttgtacagt atattt 206

<210> 331  
 <211> 460  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <223> Genbank Accession No. AA150891

<400> 331  
 caataacata agagtcagga gagttgggag gtatgtccta gggatgtgat tgactcttga 60  
 catttaacaa ctttgaacaa ctgtgtgtaa agtcacagac agaggaagca aggatttttg 120  
 ttatcgaggg acgtctctct ctctggttgg aagtttgggtg cttgggtgca tagtcttcca 180  
 gagctgagac aggaaatgta ctgtgctgag aaatgggccc cttgccagat gctccccctct 240  
 ccttctctct tgcgaggcag aaagtcagaa ggtagagatt gctggcaaaa ctgtgaagtc 300  
 ccaccctggg gtctcaaccc caactccact gaagggcagc ctccctgacc gtgtgtgact 360  
 aaggcagtaa ggggtggccg ttgatggcgg ccgggaaacc gagttttcga aggttcacat 420  
 ggccaagtct ggcttctgat tctgctgccc tgcaaagaaa 460

<210> 332  
 <211> 438  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <223> Genbank Accession No. AA151182

<220>  
 <221> unsure  
 <222> (1)..(438)  
 <223> n = a or c or g or t

<400> 332  
 ttttcaagta gangtatattt tattttnaagg caccntaaaa tgntgatntc tctaagaaat 60  
 acctntcctt ccgtgtgtga aaatccttgg gggaaaaaaaa atcccacacg gtgttcttgg 120  
 ccatcaggat catgaaaaca aactttgggtg aatgtgagca actgcgccag acaggacaca 180  
 ggttacaggg cctgacgtca ctaacggtaa ctgacaatct tggaatggac cctactgctg 240  
 atgtttcaaa aggacacaga ggtgaactgg tcacttctaa ttaagaagag ccagtggggg 300  
 ggggggaagct gaaaaccaaa aatccacgta gacatacgtg gcagtngtga acgtctgtcc 360  
 tccccttctc tctctcact tcctctcttc ctcctcactc aggnntgggta ttctcenggg 420  
 tgtgcggatg tcagctgc 438

<210> 333  
 <211> 426  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <223> Genbank Accession No. AA151210

<220>  
 <221> unsure  
 <222> (1)..(426)  
 <223> n = a or c or g or t

<400> 333  
 tttttttttt tttctggatg aatacatggt ctgggtcttgt tacaggttct ggtaaatacag 60  
 atggagaaat gttgttgacg aaatgtcagc aaactttaca gcagtagttc acacatgcag 120  
 ctactataca ttcattcatt gctatttttc taagaaatgg agcaacctag gagcttatgc 180  
 tacagtagat tccaatgaac cataatgact acttcaagaa caaagaagca catncaaagg 240  
 tgtgatatct tcctggttgg ttgagttttc aaacctgaaa ttctttaaaa tacattttctg 300

ggatttttatt taaatattga tgcnacacac ctaaaaagca gtgacttctt gggtaaaatg 360  
 taatactgaa atggaaaatt gtcttttcaa aaaaataaga agtgtgggtt ggaaattccc 420  
 cgtgcc 426

<210> 334

<211> 412

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA151243

<400> 334

cacctttctt ttgtttatct atattcttta gttttgtgca cactttgagg aattgattta 60  
 ggacagggtc atactgaaaa aaacctcagc tgatgttatc tgtgggggct ggggagggtg 120  
 tcaggacat ttggtggctg aggagagcgc gtcactgcta ttgaatagct ccatttaaca 180  
 ccagccatgt ctccgcgtct caggcacttc tgtgaaatgt tctcagaacc ctgtggtgac 240  
 tgcggcacac ccggcaggcc ttgctagcac acgccgccc ctggcagggc ccggccaccc 300  
 tggctgttgc cattctttcg tagggttttg ttcattttac tatttgcac ttttctagga 360  
 aacatctgtt ttgtgaaaaa aaacaagggg gaatcaagta ttttaaccac aa 412

<210> 335

<211> 400

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA151428

<220>

<221> unsure

<222> (1) .. (400)

<223> n = a or c or g or t

<400> 335

cagagagaaa gtgctttatc agccgggctc agcccgacac cggactcgcc aggagtaggt 60  
 ggtcagcacg cgctgctggc ggcnaaccag caggtgtagg tgccctcatt gacggcggtg 120  
 gcgatgatgc tcaggtgagc ctgcgccagg gccaggtagc cggggtagga gaactccagg 180  
 ggctcctggt ccttgtacca gtacactttc cctttcttgt ggaggatctt ctggcccgag 240  
 cggaagggtc cgttctgccc ctcggnaccc agcctggttt tggctcctggg gggcggtggn 300  
 ggtggttggc caccgtgggg aaaggggaat ttcgtagcaa gaaantccgc aagctngctt 360  
 gggggcaaaa agcttccttt ccantgaagn cccgccggga 400

<210> 336

<211> 333

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA151435

<400> 336

atatttccca ctttttattt ccatcggtat catccgttta aaaagaatga caagaagatt 60  
 cccatcagtc caaactggac caccacact ttgaaaaagt tggagcattt cagccggctc 120  
 cgcatgatcc atcctgtctt cagtcagtgc cttctggaag ggagggaaaag tcttggtatg 180  
 acctggcact caatccactc ggcgcctggc tgctgctgag gtcctggggc tgggaaggaa 240  
 tcccactggg cacacatcta cagaggagtg cgtggcgagc ttgaggacgg ttactgctgg 300  
 agccgacaca cagcgaacta catactttta gaa 333

<210> 337

<211> 631



<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA151676

<220>  
<221> unsure  
<222> (1)..(631)  
<223> n = a or c or g or t

<400> 337  
ttgggattat aattcattta ttcttctggc cctaaaggaa cttttaacga ttgaaactga 60  
gtcttttcag ttggagccag ggaatgaatc tgggtatgtc caaatgagag ggtctttggc 120  
aaaggcactg gtgaatttca atgggataat caaaccaccc ctaagttggc agctgaccca 180  
gaactggctg ttgggctgga gggtaggcca gggtccttat gtgttggatc tgatgtccgg 240  
agaggagggg ctgggtcactt attatgcccc tgggaaggcc tgaatccggc tgctgggtgaa 300  
caagttcttg tctagctgcc tggacagatg gcaccaggaa taaaaaggaa gaaagtcaag 360  
gcagtggaag gaggaaggtc agggagcggc cagagaatca aggaccaggc aagagaagat 420  
ggatatggct gaccaggggc atctttacac attgaactct caggtcacaa gtatgctggg 480  
ctggggagaa atccccatgc atgcggggga gcctgcatcc ctgagacaga tgaggcaaaag 540  
gagcatccca cacgtgggaa acctgctcag atgaaatgtt tccaggaagt tctaagctac 600  
ttactggacc ncagganttg ggagactacc a 631

<210> 338  
<211> 565  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA151778

<220>  
<221> unsure  
<222> (1)..(565)  
<223> n = a or c or g or t

<400> 338  
tttttttttt ttttttaata aaaatcttta tttttttatt aaaaaagaag tacttttggt 60  
gctattttaa taagnngggg gtgggaatga atgtcgagat acgagcacct gcatctttta 120  
gtcaattgtc agtggagtcg gtgggggtgct aagtgttctg aactgaagta ggtgcaactaa 180  
ggttccaagc tccctgcaag gatctggacg ggaggaaaagc agaggccctg aagggaaaaaa 240  
agcctgcttc ccaataactta ttttttatta ctgtacaaaa agcacactct ccctcttttt 300  
gtctctccca ccaacggcac cccccaccc ccaacccaag aggactatac atggagtgc 360  
gggacagagt tgaccaggag gcctttgtcc ggcaccctgc ccacaggctg agctcagccc 420  
caggcccttt caggcatcta gacactccca tagcctggtc angctggggc aaggagatn 480  
ccaggtcaca catacttccc tggaagagtt ggacttaggg gtaagagccg ggtgcacggt 540  
anccagnctt gctctcatte ccang 565

<210> 339  
<211> 628  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA156187

<220>  
<221> unsure  
<222> (1)..(628)  
<223> n = a or c or g or t

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<400> 339
ggattgcaaa aatttatttaa aattggagac actgttttaa tcttcttggtg ccatgagact 60
ccatcaggca gtctacaaag accactggga ggctgaggat cacttgagcc cagaagtttg 120
aggctgtagt aagcttcaaa ggccactgca ctctagcttg ggtgaggcaa gaccctttca 180
agcagtaagc tgcattgcttg cttgttggtg tcattaaaaa ccctagttta ggataacagg 240
tctgcctgca tttcttcaat catgaattct gagtcctttg cttcttttaa acttgctcca 300
cacagtgtag tcaagccgac tctccatacc tttaaaaggt atgacaggaa ctgtcttcat 360
gtccttacc aagcaagtca tccatggata aaaacgttac caggagcaga accattaagc 420
tggtccaggc aagttggact ccaccatttc aacttccagc tttctgtcta atgcctgtgt 480
gccaatggtt gagttaggct tgctctttag gacttcagta gctattctca tccttccctg 540
gggacacaac tgtccataa gtgctatcca gagccacact gcactctgcac ccagcaccat 600
acctcacagg agtcgactcg tgccgaat 628

```

```

<210> 340
<211> 668
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA156243

```

```

<220>
<221> unsure
<222> (1)..(668)
<223> n = a or c or g or t

```

```

<400> 340
accacctgac tcagacttct ttgtcgttgt tttattttaa atgttattgt ctctgattag 60
aaaatacagt catgagggtt aaaaactgaa atgatgtgaa aaggcatcca ttaagcagtg 120
ttgccccacc accctttcca tcagtcttgt ctcatgggga tggggaaaat gaagacagaa 180
cgctttgcct tgetttgcaa tccctccttt gaaggccttc tgtcccagga agccaatgtt 240
catttgatgt ggaagaggga cctgtgttta accagaagct gtcctccctc atccctttcc 300
catggccttac acgcagaagg gagaggagat gaccagagga gaaatcaggg gaagaaaagg 360
caacagggga ggcaaaggga aaggagagga atgcttaaaa tatacagtga aatttgagta 420
ggattctcta ctcaaagact tctctgggaa gtgtccagaa ttgaccacac aggtgctgac 480
ggtagaaaga acacagaccc anaaccctga tctagtgtga ttaactccat tagccctgag 540
ttccctgtaa aatgaagact gtngaggacc actagaggat tctgtgactt ctcaactcta 600
aaattttgga ctggacctcg tgcgaatctg gctcgaggca aattcctatg tggcgatnaa 660
tcgnacag 668

```

```

<210> 341
<211> 350
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA156336

```

```

<220>
<221> unsure
<222> (1)..(350)
<223> n = a or c or g or t

```

```

<400> 341
tttttttttt gttttttcng ctttatcctc ttctttttct notacttttt cttcttgcca 60
gggtcgagca atttgctgct gggtttctgcc tctgcgtttc ccanaattcc ttctgacgag 120
ggctttataa ttctcatttt tcttggttaa atagtaatac aaaacacaat caggaacact 180
cttcctctcc aagtatgatg caattagtcc aaagtttttt ggatgctgga taaacttgct 240
cttaaagatc nccttttcat ggtcagtcca aacattcatn aactgcctat ctttatacac 300
tttcataggg gtccctccaat aagcccantc atggtaaatt gactttgact 350

```

<210> 342  
 <211> 434  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA156450

<220>  
 <221> unsure  
 <222> (1)..(434)  
 <223> n = a or c or g or t

<400> 342  
 ttgcttataa aaaccatttt aaattaaaaa agggaggaag catcagtgc cacagatggg 60  
 gacacagggg cagagggcca gcccaaagta cagtgtgggc accccacagc ccagtggacc 120  
 cagggcagac tcccctcgca gcacagacag ctgaggcccg ggtgctggtt cctctaggta 180  
 cagctttggt ccttgtgggc tcagaggtct gcctttcgga aacttgctct gttcaaggag 240  
 ttctgagggc cgggtggggg ggggtgccatc agctggggca ggcgctgggt aagcaggggc 300  
 tgcagantc cgcagcggc agtagttgcg ctccagctca cgggtgtact ccttctgggc 360  
 cggcccaatc agggctttat ttttcgcag cgcacctca catttcttgc agaagtcctt 420  
 gaagccctcg tgcc 434

<210> 343  
 <211> 452  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA156460

<400> 343  
 tttgggtata aaagatttta atatcaaata aaatgtacat gatcaaaagg ctttgattgc 60  
 catgtaaagc atagtttcca ggttacatca agtgatttta ttttctccca tttcaaata 120  
 aatggtgaaa gcacaaacaa tctgcatga atgataagaa gcaaaggcag cacatatcat 180  
 ctgcaagttt cttcccaagc tataaaatat catgttcata ttttctctgt ttgtgatccc 240  
 aaaacaggca atattttcat ttcattccact ctattcttat gtatttgaaa agcagggtgt 300  
 atccacctac cacaagagca ctgttcacca taccagttga aggaacccaa cttggcactg 360  
 cattttgggc aaagaagctg tccatccatc actcccaaca aagcagattc catccactgt 420  
 acagggttcaa tgaaataaga tgtacattga gg 452

<210> 344  
 <211> 457  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA156565

<400> 344  
 atagtaaata ttttaattgtt tccatcagca attccagcac aagttttcct ggatggtagg 60  
 cagaatcaag ctacccaagg gttcatgatg aggtatgggg gtcactgagg agacccccag 120  
 agtcaactgac cctcccgcc acctccacac accaggtggc cctgcagaat gaggggtggg 180  
 ctgatagaat gtcaattagg ggagacagga tacaggggtga gggaacaggg tctagcttgt 240  
 atatttgcct gcaggaagga gggagggcag gagagactct gcatagaagg actggaacta 300  
 cacattttaag ttttcaaccc caatatgcag ggggaaacag ccaagccact ctccatctgt 360  
 ctagtattag gaacctctct tcaagtgggc ttttgtcatc tctgttcttc ttcccaattc 420  
 tgtattccag attccaaatt ctacaattga aacccaa 457

<210> 345

<211> 424  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA157112

<220>  
<221> unsure  
<222> (1)..(415)  
<223> n = a or c or g or t

<400> 345  
tgtgttcaaa gagtgaatt gatttctttt tattgccatc ttaacaaaaa tacttcggaa 60  
ggcaatcttt gattccagca tcggaggccg ggcaattcca ggcaataatt aagccatcag 120  
ntgtttggac aggagagtgt tcagtttgag ggaagcagga acccccaaag aaccacagaa 180  
tggggagatg gagccaaagn acaagggaca ttgcagtcac cttccattct ccctacgtgg 240  
gacaaagctt ggcttgggtt tacaagcagc gtccaggaac agccttgga ggactagat 300  
gctgcaatcc tcccagctcc cactatggct gggggcagga tggggagggt ggggggggtg 360  
ttgggtggag ggggttggctg ggggacttct gctgggggtc agcttcaggt tcaggggaaa 420  
aaaa 424

<210> 346  
<211> 384  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA157401

<400> 346  
gaagatccga ggcattgttg aagagagcgt gactgggtgt cacaggctgt atcagctctc 60  
caaagctggg aactctgtgt tccggccatg aacgtcaatg attctgttac caaacagaag 120  
tttgataact tgtactgctg ccgagaatcc attttggatg gcctgaagag gaccacagat 180  
gtgatgtttg gtgggaaaca agtggtgggtg tgtggctatg gtgaggtagg caagggctgc 240  
ctgtgctgct ctcaaaagct cttggagcaa ttgtctacat taccgaaatc gaccccatct 300  
gtgctctgca ggctgcatg gatgggttca ggggtggtaaa agctaaatga agtcatccgg 360  
caagtcgatg tcgtaataac ttgc 384

<210> 347  
<211> 307  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA157520

<220>  
<221> unsure  
<222> (1)..(307)  
<223> n = a or c or g or t

<400> 347  
ccaggctcgt agagtcactc cctgcccgtc tcccagagat gcttcaccag cacctgcctc 60  
tgagacctcg ctctctgttc cagcaaccct ggttgggggg tcagacttga tacactttca 120  
ggttgggagt ggaccaccc cagggcctgc tgaggacaga gcagccaggc cggctcctgnc 180  
tcacttttga gttggcactg ggttggggag gaagagagct gatgagtgtg gcttccttga 240  
gctgggggtt ccctgcttgt ccagttgtga agctgtcctc ggtgttaccg aggctgtgct 300  
aaganga 307

<210> 348

<211> 444  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA157799

<220>  
<221> unsure  
<222> (1)..(444)  
<223> n = a or c or g or t

<400> 348  
gggggttcact caagacctag gctacagcan ggtcaagtgc ctgcttttatt caacaggaag 60  
cgctcaagtg ggactcaccc cccacctttc acagtgtaaa gtgaataggg agcaaggcag 120  
gaagctagaa aaataatgca tggatctaga caattcagaa aaacccttct aagtcagctt 180  
aaggccaaga ctggtcagtg tgagagaaca aaagaggtga cagaaaagcc ttggnagcct 240  
gagccatgat gggcctagcg gaagtagttg ggacattcgt gagcaaccaa atgccaggct 300  
tgattaaagg catccacgac agccggctcc agggggccctt cctctgttgc tgccaagttc 360  
tgctccagct gctccaggct ggacatgccg aggatgaccg cgtccccgtg ggcaccctgc 420  
agctgtgagt ggtggtacat ccac 444

<210> 349  
<211> 441  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA157818

<220>  
<221> unsure  
<222> (1)..(441)  
<223> n = a or c or g or t

<400> 349  
ttttgtgagc aacaaggctg tttattttcac ctgggtgcag gcgggctgag tccgaaaaga 60  
gagtcagcaa agggagatgg ggtggggccg ttttatagga ttagggaagg taatggaaaa 120  
ttacagtcaa agggggtttg ttctctggtg ggcagggtgtg gatctcacia agtacactct 180  
caagggtggg gagaattaca aaggaccttc ttaagggtgg gggagattac aaagtacatt 240  
tatcagttag ggtggggcag gaacaaatca caatgttga atgtcatcag ttaaggctgt 300  
ttttacttct tttgtggatc ttcatgttact ttcaggccat ctggatgtat acgtgcaaatt 360  
cacaggggat gccatggccc tggcctgggc tcanaggcct gacaattcct gccttcctat 420  
aattaattag gccaatnaaa c 441

<210> 350  
<211> 427  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA157857

<220>  
<221> unsure  
<222> (1)..(427)  
<223> n = a or c or g or t

<400> 350  
tttttttttt tcntcccttg nachataaat ttttattggc aggtcaggan aagagcnggg 60  
ggtaagggtc ctttccttnc catccctcta cncanaagac accctccana gganagnaga 120

```

agccccagag cctgctgcct cagaggacct tggaggcaga caaattgttg tagtgatctt 180
cctgtccctc gagcaggetg cgggttaggtg gcaatctcct gctccagccg cgacttgatg 240
tccatgagcc gctggtactc ctgattctgc cgctcactat cagctcgcac atcgcccagc 300
tgggttcaat accgctgata agcgctgga tatgcgccag tgggctccaa agcgcgctc 360
cgtttctgcc agtgtgtctt ccaaggcagc tttcatgctc agctgntgac tgcagctcaa 420
tctcaag 427

```

```

<210> 351
<211> 614
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA158234

```

```

<220>
<221> unsure
<222> (1)..(614)
<223> n = a or c or g or t

```

```

<400> 351
nggctgtgat aggtttattc agaggaagca ctagactctg gggtagctca catgggtaag 60
aaagacttcc aggagcaggc attgaagggg tggcaccctg ggtgagtgtc caaggtcagc 120
gagagtcact tgtggagggg acggaagatg acctggctga tctggccagg gatgggtgtg 180
aagaccagga ggaggaagac ggtgagcagc accagtagca gcagcaccag ggtngcccag 240
taccggcnca gatgaagaag acaaaggcct tcagcgggtt cacaaaccag ttgaagggaag 300
ttttggggcg gctgggtttc tccagaaggc tcttggctgc ttccgcccct tccccattgg 360
ccgtttctcg ggcttctctc cacagtcaag caagctcaaa ctcttgccct caacnttgcc 420
cgtgaagaat gtacacattg gcanccatgt ctgtgaactc ccangtcttt ttggccggcc 480
ttctctctcc tctgctttcg cttcttcttg caagcctgag cctcctgngc ttccgggtcaa 540
gtccttgctc ctttaagttna ataacggcaa cagccctcaa ggggggaaga aacagattga 600
ctcngccggc ccat 614

```

```

<210> 352
<211> 416
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA158795

```

```

<220>
<221> unsure
<222> (1)..(416)
<223> n = a or c or g or t

```

```

<400> 352
gggagactta actggtttaa ttgcttagcc ctggtgcctc agccacctct catctgtagg 60
gtgagactca agtccaggca ccaagacaca ccagcaccct caacaccatg cggggatcat 120
tggcctgaaa cttggccaga gaaagctcca gtccctggggc tgtaagagtg ggcgctggga 180
gtgtctgaag ccggcacgtg tcccctgcgt tgctggccct tgcaggtgaa gtgtgtgtcg 240
ttccccact ttcccccgaa tggcaccacac ggccctcctgc tggagcccct cccgggnccc 300
cctcagggag cagaactctg cgtgtgttgc gaggttcagg cttgggcaag gcttggaagt 360
tccaggttaa ncacatatta aaaaattaat acttccatgc aattggtngg gtgggg 416

```

```

<210> 353
<211> 392
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<223> Genbank Accession No. AA159025

<400> 353

```
ttgatgtcta gaaacatctt ttatttgggt aacaggtccc aaaacaggtc agttaataaa 60
atagattcta aagaatatgt ccctatgcac agccctccct ccccaaaaat aacgctgggg 120
gtaggcattg cctttccccc ttgggtctct cgggtgtatt taaaaaaatg ttttggcagc 180
tcagtgttta tcatctgggc atgggacacc atgtccatgt ccccatattc ctagggtaca 240
gcagcagtag atggctgcaa caaccttcct cctaccccag ccagaaaaat atttctgccc 300
caccccagga tccgggacca aaataaagag caagcaggcc cccttcaactg aggtgctggg 360
tagggctcag tgccacatta ctgtgctttg ag                                     392
```

<210> 354

<211> 424

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA159525

<400> 354

```
ggcagctcac tccaggttta tttcagggca gtttgggggt gggggacaaa gacccccctc 60
cagctcctaa actgggtcac ttttctccca ggtgaagggg accatcctca tgggaccta 120
tcgatgtgag agctttgtgt ccaccagggtg tggtcgggtg caccaagggtg aagggtttga 180
gggctgcaca gggacccccca gcaactgggag tttggcctcc tccctcagac tggatggttt 240
cccagggttg gaaaggggca ggtctccctc ctcagcttgg gacttctcag agggaggagc 300
tgagtgtctc ctccctcaga cccgcagccc ctcaagggtg tgcgatctgt gccaccctct 360
ttgaccggtc cctctgcctc cagactagcg gaacaaaatt acacctgaaa gtggaggagc 420
gggt                                     424
```

<210> 355

<211> 445

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA160775

<220>

<221> unsure

<222> (1) .. (445)

<223> n = a or c or g or t

<400> 355

```
ttttttttta cagacgcggg ctttattaac atttggtagt gagcacggcc cccagggatc 60
tgcggggntc ggggtcccgg gacgcaacgg ttaaacctgg ctgcgactt agncaggccc 120
ttgggggaaa gcccgagacc tgaggngtgg cacggagcca cttccggcgg ctgtgggcgg 180
aaaacccaaa acttccgatg ggaccaagcc ttccgtggct tcacacgcac cggaagggaa 240
gtctgggtca gccctccctc caaaggagac agcacggatc ctctttttng cataggcctt 300
gagggaaagt acttccgccc atattcaaga tggctgccc gggcnttggg aacgggggtg 360
agtttcggga tgtggagcga aggtcactgg gagggggcgg nttccctgc ccagttccga 420
tccaccagga ctggaagact cgcgt                                     445
```

<210> 356

<211> 432

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA161043

<400> 356

acattgtaac aggtttatgc attttgaagt gccttctaca catccaccca gaggtctctgc 60  
 tgatttcact tatgcccagg ctataaaatg cctttctctc atccccagtg agagcactgg 120  
 gatcaccact aggcctaggg ggcataatcaa gggtttaata gactggggga atgggcaaca 180  
 gaactggcta ccttagaggc tctggaatgc ccccccacca tccaccacc aatggaagga 240  
 aagtcaggca tgcgtaaaag gagtgggtccc tatctagccc caagtctgga gcagaaaggg 300  
 caggtccatt ctggcccaag tgacattgtt aagatcctgt cccctcccc aatcactgct 360  
 gcttgccagg gtgcctcttc acagttccca tgtggcagca gtagtggcag aggcagaagt 420  
 ggacttattg ta 432

<210> 357

<211> 365

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA161292

<400> 357

gcaacaattc atctttatctt cttattttcc tctggagatg cagaatttgg tatatttcac 60  
 cccagggtata ttgggatag ttggctcctc gctgggtcag gatggctggg tgccttctcc 120  
 cctggcatgg ttctcttctc tgcagggcga ggggcaggga gctagtagaa cctcgcaatg 180  
 acagccgcaa tggagacca atggagccca ggatgaactt ggtcaatccg gagagtccag 240  
 ttgctccag tgactgcaga gtagccacaa ggtgcccag gaactccacc cccattggca 300  
 atggcgccgc ggacatcatc ttggctgcta tggaggacga ggcgattccc gccgcagtga 360  
 agccc 365

<210> 358

<211> 443

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA164252

<220>

<221> unsure

<222> (1)..(443)

<223> n = a or c or g or t

<400> 358

ttaaaatagt cacttttatt tcttagcaaa actatttctc ccgtgagggg tattttacaac 60  
 agagaaagga aagaaggggt caattcacag cgacttgagg aggctggagg ggctcgtggg 120  
 agggccgaag ggtatgacag acacacttca cacaattaac tggaaactgct ttttccggtt 180  
 tccgacgggg acgtccccag aggactttga tggggccggg gcgcngntgg caaggggaact 240  
 cgcacaaaacc acccgccctc ctgngtgggc cccccgggtc cccgcgggtg agctcttggg 300  
 agttcggggt caaggacccc ggaaggggng ttctggcagg tnccgacngc agccncgggg 360  
 gacaaggggc aagggccaan gggcagggcc gtggcgcat naaaacaacc gagggggaat 420  
 cgncaatac cgaggggggg cgg 443

<210> 359

<211> 333

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA164586

<400> 359

ttttttttta gtttaattct ttatttgaac atcaaatagg ttgagaaaat tgtttacagg 60  
 tgctcgagca tcccgtgga ttctttttca aagtgcacaaa gaggtttaca agtgtgtttc 120  
 attaaacaaa gcaaagctgc gacaaaaccg agtcacatca gtaatagtat gcatcggcaa 180



```

aagggcatat taatccatca aacacaattt ggcatttgag ccttttccca taaaacaaga 240
gctctacact gaagagtatg tagtgcacaa aaagcattgt ttatcacctg tgagagaaca 300
gaaactggca taatgtcact tattaattca agt                                     333

```

```

<210> 360
<211> 574
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA165526

```

```

<220>
<221> unsure
<222> (1) .. (574)
<223> n = a or c or g or t

```

```

<400> 360
aataaattca aagtcttcat ggtgttcaga gtcatagtag tccatacgtc tctttttctt 60
gttgaagct gcaactcgaa aggggaactat ttccaaagtg attaaaccag gggccatcgt 120
cagcactttg gcaccatgac ttgggtcata aagatccttc cctgtttctg gatgaggcat 180
gccagcaggg tctcgtccaa caatgtaaaa gttggctcct gcaaccatcc gtgctctgca 240
atgccactgg acctcagttg gtccagcata catcatggga gatgggaaga tggccaccac 300
tgtcgtctca ggattcagaa ctcttctctc caacactgca gcatgctgct tccatacgcc 360
acatcaaagg aacatcgtca tcctttgtcc agccacccag aggggaagng aggaggacag 420
ggcgccggta gcccctctct agaagttgct tatgggtatc ctgcattaac agggcatgtc 480
cattgtgcac tgggggtgct agttgaaatg caaagacagc atcagcattc aaaccttnaa 540
tttctggttt agctcagtaa gaggtaaacg atnt                                     574

```

```

<210> 361
<211> 473
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA167550

```

```

<220>
<221> unsure
<222> (1) .. (473)
<223> n = a or c or g or t

```

```

<400> 361
ggctggagtg cagtggcatg atcgtggctc actgcaacct ctacctcccg ggttcaagca 60
gttctcctgc ctcagcctcc caagtagctg ggactacagg cacttgccac cacaccgggc 120
taattttttt gtatttttag tagagacggg gtttcacatc gttggccagg ctggtctcga 180
actcctgacc ttaggtgatt tgccggcctc ggctcccaaa gtgctgggat tacaggcgtg 240
cacncacgcc tggccaaaaa cccttgcttt ttaacttcga ttgacactta acaaaaatcc 300
tccacatccc actttttgac agtttacatt aaagcctgtg gtctgaatat ttgttttact 360
tagaggggga cctttgggca acttatttgc aaacacatct aaccttcctg ggcttattcc 420
acagtatttt catagacctg tatatattag acatcacact tggcctcgtg cca          473

```

```

<210> 362
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA167565

```

```

<400> 362

```

tagaccacac caaaacatgt tttgtttaat gttgttaact tttgtgaatt tttgacccaa 60  
gcaaactttg gttggtaaaa agtgcatagg tggagggtggg gagggcagga agatcccaga 120  
aaacctttgt cctcagaaaa gcaggtcagg ggcctggcac agtgggtcat ggctgtaatc 180  
ccagcacttt gggaggctga ggcttgca tcaactgaaa tcaggagttc gagaccagcc 240  
tggccaacat ggagaaaatcc cagttctatt aaaaacacaa aaattagccg gacatggtgg 300

<210> 363

<211> 629

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA167708

<220>

<221> unsure

<222> (1) .. (629)

<223> n = a or c or g or t

<400> 363

ttttaaagct tattagctca tttatcttgg aaacagtagt taaactgaat aaaaaccaag 60  
gggcaatata actgctactg gttgagtcac acagtgatgt gtagtttgga aaagaagacg 120  
aatgatagat attgagcccc tttaggaaat gttgccagta tttgaatttg gctttcatag 180  
ttatctcttg cacacgaagt agagtaccat ggctgataac aagagggtcaa atgtacaagt 240  
tgctctaata tggcctcaat gaggaccagc ttcaaaaccc gcttgctgat aattcaggta 300  
ttcatggagg gtcaagactt caaagtcacg tacttcaagt accagtagag catctggtgt 360  
tgctaaggga gtctgtcagt gtagggtgca tagaattggt ctctgggcta tatcccatc 420  
taggaatcac tggatattcct ctggagtggg gggctgttaa tctagggtca cttgacacct 480  
ctcagcaaat gatcattccg gggccaagac atgcctgtct ctgcactttc taagttcaca 540  
cacagtattt ctaagaatgt tcagcatcta ctgaacatga acgtgctgag tggagggtcng 600  
aaagttggat gccatcaggt caactattg 629

<210> 364

<211> 347

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA169837

<400> 364

tttttttttt tttcagcctt gacagcaaca ccctttattc agcaccagga atacccttcg 60  
cacagaacca gcgagcttca cgtgctcagc ttccccgcgg aaatgctcac aggatgctgc 120  
gggacccccg gcgtgccaca cgatctagt gttggtgctgt ctgaactgga gccacagta 180  
accgcatgtg ccggtttttg tttctttgtc caagtttata tacacttttg ggtggccaag 240  
agctcccccg ccgccatcgc acgctatcac ccgagtcctc acctcgctca cgggctgctc 300  
tgctatcaaa tcaatggcaa agttttcatt cacctctttc tgacgac 347

<210> 365

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA171529

<400> 365

tttttttttt tttcatcttt caatatcaca gtcttttaat gtcaatgaaa acaataattt 60  
atgaattaaa acatcttttt aaacctgaca ggaaaatata taagcacaat ttctggataa 120  
agaaaatgag gtgcagttct cagggtctta gtacttcatt ttaaacagta aacacagtac 180

```

caaccatcgt tttgattcca gtgaataaga agttaagatt aaatttatta atcaactttg 240
aagtctgaaa ccgaaatgat cctttaacag cattgccaaa taaacaggtc agttctacaa 300
agctaatacat aatgccaaat tttgaccaa tgataaagt gctctgttac catagtacca 360
gagtcctgtct ttttgttggt tttctgtttg ccataacaac caaggattga attac      415

```

<210> 366

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA171694

<220>

<221> unsure

<222> (1)..(471)

<223> n = a or c or g or t

<400> 366

```

tttctatttt atttatttta ttttttattt ccttccctca taccttgccc attccctctg 60
aatattaggt gtgatgtcaa cagcatgtta gaaggatcaa tgggaaggca atgattgaaa 120
acattttcaat gaaccttaat agtggttcctt tgaggagcac ccaggagaat atctgggtcat 180
agatcttttt ttaaattgcag ttttataaaa ccctaacagc ggtgatata ttagactgta 240
tgaatcagtt ttattaccta gtgtacaagt gtcagtcatt tatcattata tagtctgttg 300
atctttccat ttgcaaaaana ttaatatgtt tccccacac atgtacaaag ttgggtatgct 360
tccagtcctc cttaaatggt ttatagtcatt tcccaaagg aacattccaa ttttacactt 420
tcacatacat tggttaagga atcantgggg tttttcccc tttttcccc t      471

```

<210> 367

<211> 371

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA171760

<220>

<221> unsure

<222> (1)..(371)

<223> n = a or c or g or t

<400> 367

```

tcagccaatc acaaaaaaca gactttattg aagtatttag cactaaaccc cacacaattc 60
cagctctgta gctgaggaca cagccacttg gcaatggcac caggtgttat acaagaccaa 120
taagttaatg taaaggacgc ttaggtgttg agggccagt ctcagccgtc tcctgggtca 180
gaacaaggca ctctgggctc cagttaggac actgagaggc cagggaaacc aacatgccct 240
ggagaaagg gcttagagac aaaccggaaa agcacagcat ccaagcaggg tattcacgca 300
tggggggcag agtaggcca aaagttgggg gttgcctgat gcggtaagag cacagttgag 360
agnaattnc a      371

```

<210> 368

<211> 298

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA171939

<220>

<221> unsure

<222> (1)..(298)

<223> n = a or c or g or t

<400> 368

```
ttttttgagg cacctgtggg actttattag gtaaacagac cccagctcca gccacagggt 60
ggaccggcca gctgacagtg cggcctcaga ccccccgcc aggttccctc ctccctcctc 120
tctcagggtc accagtgtgt gaaagatcgg ggcattgccg ccacaggggg aagcagggtt 180
caggctgcc cactgggtc tggcctggc aggcgcccc tcacctggct ctgctgtggg 240
anccgagaac aaagacatna cctgcctggc tcctgctgcc ccgggggggtc agcnagca 298
```

<210> 369

<211> 424

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA172076

<400> 369

```
tcttattcag tctccgtaga gactgtcaaa aattgccagc gctgattata tttcaagtca 60
tcacgggtggg gtattgggaa aatttccaat tagcaataat cgcgtctcgg ataaatctca 120
ttggctacgg tactgccact gtgcaaagct agcttgacgt aggactttga tgggtcatgta 180
taacacctca caggggcaga acctcctcca tccccgactc caaagactca tgtaatcagt 240
acgcaagaaa gttcagagat gagacctctg gttgtattcc acctttggga catgggggat 300
gtcttttagtt caaagtcaca aataaatgca ggttctacaa ttcagaggct tcatatccct 360
gctggagtat tacatgttta ttcaggatgg accacttttc ttagcaacag tttctaaacc 420
tttg 424
```

<210> 370

<211> 201

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA172372

<400> 370

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tttttttagt ctgaaaaaca taatctctat aatcatttaa tttttctttt tggaaaatgt 60
atgtatacat acacacagtt tccataaaaa aacatagata gtaaagctga ttaaaatcct 120
cctgtcctat tggtagcagc acatgaagcc cttctacaaa attcctgacg gactgggaat 180
aaaaattcct agtgacagcc c 201
```

<210> 371

<211> 374

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA173430

<220>

<221> unsure

<222> (1)..(374)

<223> n = a or c or g or t

<400> 371

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ttaagacaaa cataaccttt attctctctc aaaaaccagc agaacagggc ctggaaccat 60
attcgttaat ttaaccagaa tcagaatact ttaactttca tagtctcatt taaaatttta 120
tagcaatata ctgaccattc taaaaataac aaaatacatg ttgctctcaa ctacatagtt 180
aaaaaaggta gtaaattctc ttacccaaaa tagaggaggg gtgggctagt gagctgctca 240
aacatttgta acaataaaaa atgtatctat atacatataa tgatcatgtt ttcatagcct 300
aaaatcacca ttaacaaaat ctaataataa aattgtgtcg tggtcaggag ttgggaagcc 360
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aacacattaa attn

374

<210> 372  
<211> 340  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA173505

<400> 372  
ttgggattgt agcagacata ttttcgagaa gatcctgata cccaatgtc cttctttgac 60  
tttgtggttg atcctcattc tttcccccgt acagtggaaa acatctttca tgtttccttc 120  
attatacggg atgggttttc aagaataaga cttgaccaag accgactgcc agtaatagag 180  
cctgttagta ttaatgaaga aaatgagggg tttgaacata acacacaagt tagaaatcaa 240  
ggaattatag ctttgagtta ccgtgactgg gaggagattg tgaagacctt tgagatttca 300  
gagcctgtga ttactccaag tcagaggcag cagaagccaa 340

<210> 373  
<211> 436  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA173597

<220>  
<221> unsure  
<222> (1)..(436)  
<223> n = a or c or g or t

<400> 373  
ctggctgaag catccccttg gaggccatg tataagttgg gctattagag ttcattggaac 60  
atagaacaac catgaatgag tggcatgatc cgtgcttaat gatcaagtgt tacttatcta 120  
ataatcctct agaaagaacc ctgtagatc ttggtttttg ataaaaatat aaagacagaa 180  
gacatgagga aaaacaaaag gtttgaggaa atcaggcata tgactttata cttaacatca 240  
gatcttttct ataataatcct actacttttg ttttcttagc tccataccac acacctaaac 300  
ctgtattatg aattacatat tacaaagtca taaatgtgcc atatggatat accagtacat 360  
tctaagttg gaatccggtt acctcctgcc tagaatttta ggtgtgagat tttttggttc 420  
ccaggtagat caggcn 436

<210> 374  
<211> 419  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA173755

<220>  
<221> unsure  
<222> (1)..(419)  
<223> n = a or c or g or t

<400> 374  
atttgagaac atttttaata aataatgtga caaaattact tttctgatta ttggattttc 60  
agtatgcaaa attatggcta aaaataaggg gcttcttaca tgaacataat gaaaacatta 120  
atcacatgga ttgttcctt agtactgcac gccttttcta tgggaactttt tcaaattatc 180  
taaatagaac agtttggttt tggatgaacac cagccttttt ttttgtggnt cagttttgtt 240  
tggttttgtt ttccactggg gtcagacctg atacttatct atctatgaat aaatgtacat 300  
ttttttcttc aaatagcacc aattataaaa tcaatgatat tcntaaaatg acaaaaaagg 360

atcatagaaa tctactagtc agagggcatc atttgggtcca attggaaagc caggtaatg 419

<210> 375  
<211> 254  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA174202

<400> 375  
tttttttttgg gggactataa caggtgtgat tgacgaccgg ggcaagttca tctactaacc 60  
ccagaggaac tggccgccgt ggcaacttca tccgacagcg gggccgggtg tccatcgccg 120  
agcttgccca agccagcaac tccctcatcg cctggggccg ggagtccctg cccaagcccc 180  
agcctgaccc agtccttcct cttggactca gagttgggtg gctacctggc tatacatctt 240  
catcctccac atct 254

<210> 376  
<211> 514  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA176233

<220>  
<221> unsure  
<222> (1)..(514)  
<223> n = a or c or g or t

<400> 376  
tcaggattaa gcatgtatatt atttttagttc agttaaaca aacatacatt gtttcattga 60  
aacggtgtag cactctttgc caacaagcca tactagaatt gttggcctct aacagtacag 120  
tggggatatt tacactatat acacaaagt aatacaccca ggttctcaaa ggtcttccat 180  
tacactagat cacattttat ttcattacac tagatcacat tttgattact gcattttgaa 240  
aatgtattcc ttattttaaat tttaaataag agntctgaat ttgtaccaag atttcatgaa 300  
aaaatttgat gttgtttatt gcaaatacaa tttaaacaag ttttttttag tgtttgata 360  
caatttgtca atttttcaat attcaatttt ctgtacaggg acttttggga caattcntat 420  
agttacataa tngnaattca tcnaaatgca gttaagaaac ttacagggat atatacactt 480  
ggaacccag accccaacct gacattatat acca 514

<210> 377  
<211> 312  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA179004

<400> 377  
tgccttttaa atcattttat aaagaatggc acaagttggg gtttatgttt actcagatga 60  
accggtcccc ttagaggaca caatccacc cccaaccccc ccaactccac gactgcccac 120  
cattgctgtt aatccttcag gggaggggtt acagctgttt atgaagccaa gagagggtct 180  
gggcaagatc acagctgggg aaacaggccc aggcctgctc cctgggtgtc tccatgctgg 240  
agtcagcggg gcccaatgac ggggtgatgt gatcacatct gcttccttct ccacaacaag 300  
agcagggctg gc 312

<210> 378  
<211> 521  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA179298

<400> 378  
tttttcactt tacaagaagt tcaactcttat tcatggaggc atcatgctga caggactgga 60  
tccaaggaaa atgctagtga ctttcccaac ttcattcccc aatcaaagag gacagtttct 120  
ggtttgccac tggtagtggg gttacacgac taaagttcaa ataaaaaaat aaaaaacaaa 180  
atcttggcag ggaagctaga gccagaatca ggaaaatctg cttccttgctc cccagactcc 240  
ctggccaagc ccagctccac taactcatct tgactcgatc aagttcctca tcaagacttg 300  
catctgtacc ctggacatct ctgctgctcc cactggagag tgagtctgga gtccctggca 360  
ctggggcttt ggtgagggct ccatatacac ccatggcctg agcaccatgc tggtagatc 420  
gccagggttg gagggcagta ggatagtgtt ggagtccttg gccagtttgg gagaacgcgc 480  
tgacatactg ctgaggcaca gtcagtgaag ctgctgcatc t 521

<210> 379  
<211> 366  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA179387

<220>  
<221> unsure  
<222> (1)..(366)  
<223> n = a or c or g or t

<400> 379  
ttaaggattt acttttctta acaagtgaac aatttgcttc taagcgtcaa tgaaaggcaa 60  
cacctccctc taatggccaa aggaagagag tggcagtaag ctggcttttc caatgtgnca 120  
cacaatccct ncnggcnaat aagttctcct tggttgaaaa gaaattaggt tgttttgata 180  
acttagaaaa gttagtttta gacaacagtg actttcagct acaaatataa aatcaaatac 240  
atgtatatna ggcttctgta atcgatgtct tagaggaaca tctgctcatt ttctncaagc 300  
cccagtccta taaatcaagg caagtcaagt aattaaagct tcaactattt tgggcagctt 366  
tgcaat

<210> 380  
<211> 429  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA179787

<400> 380  
tttttttttt tttttttttt tgggtgggcag gatcaccaga aagctttttat ttttaaccag 60  
ggccagggag gcgaagcttc aatcctgctg cttgggttcg gaggcctctg cattggcccg 120  
gagcacagcc cctgggggatg gatacggccg ctgctggaag aggggcccag ctgctgtggg 180  
gtcagcgcca gtcttggcct cattccgctt ggggagtcct gttgaccacg tgccccgggg 240  
ggttcttgag tatgagctag ggtccatggg gtctaactct tcatcctttc ggcttactgc 300  
cttcttgctc ttgggatagg gagccagctc ctcccggcga tgggtggcgcc gttctttgccc 360  
ctcttcccgg tctgccttgt catacccgcg gtcccgatcc cgttccctgt ctagctctct 420  
ctctctgctc

<210> 381  
<211> 444  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA179845

<220>

<221> unsure

<222> (1)..(444)

<223> n = a or c or g or t

<400> 381

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tgaacaataa tatctttaat ataactgttt ttgtgtgcat agaaatcata taagtaaata 60
aaaaaaaaaaca acaacatgag attacatagg tggttataat acaaaagtga gaaaaaagct 120
agtgtctgag tattgcatcc tggatataat tccctgatat atggtaaagc ataaaagaga 180
cctatttctt caggagagta gctgacccac ctcaaggcca tgactgctct tctctttccc 240
cacagcctta gtactttttg ccaaaaggcc cagatttgag taaaggggaa cgccgtgagc 300
gtaaggatcc gggcataagg gctgcagtct gttgagcttt ggcaggttgg tgttcgggga 360
agtaaatttc ngaaggaatg ggttcctncc ctgntggggt gttggtttgg ttgctgattt 420
tccnggttgg gtaccaaggc gcta 444
```

<210> 382

<211> 250

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No: AA180356

<220>

<221> unsure

<222> (1)..(241)

<223> n = a or c or g or t

<400> 382

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aaaaaatatt tgattcaagt gcttatectc ttttaagtca atgaagtaga gctctttttt 60
atagacatca catacacgac acatatttaa ctacacaagc agaagaaaat gcagtagctg 120
tgaaattttt cgtctgccaa tctcctaatt ggattattgg cttccgggtg ttgcctttta 180
agagacaggg ccagaaaaac atgcagcttt ttaaggccta ataaaatagg gcatgantgg 240
ggnggcaaaa 250
```

<210> 383

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA181580

<400> 383

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taaataagta actccattgt ttttctcttt tccaagatgg ccgatgttat ggttttctac 60
gaagtcagtg cttacttagc tctaataacag cgctgctgtt ggcggtgctg gctgctgctg 120
tggcaggatt ttcaatgtgg tgtgttttca agcctcactc actcatcctc tcattcccaa 180
acattcagca tccgtgcaca ctccctactt ccagggtttt caaaagatgg gagatttcca 240
gtgggggtcc tcaggttatc atcccaatgg taacagatca agcttggttc ttcagtttcc 300
tcagttcttt tgttgcccat gtacgaaggg tttttgcttt gttagtcttc gatctccgcc 360
cttcagttaa caattcatgg atcattggcc tagcttctac taatttcagt acatccttcc 420
caaatgctgt a 431
```

<210> 384

<211> 408

<212> DNA

<213> Homo sapiens

<220>



<223> Genbank Accession No. AA181600

<220>

<221> unsure

<222> (1)..(408)

<223> n = a or c or g or t

<400> 384

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tattttttaac ataaaagttc tatttttcttg tgaggcagca acaagtgttc aggtacaggg 60
aatacataag tacagcgtaa caataccgat taccattgga aatgctgttt tttagagagaa 120
ttgttagaat aacaaaatgt tttaaattgc attttaaaaa gagttacaca gcttccacag 180
agacaaaaaa tgaagagtta aaaaaattct attcttaaac aagactgtat aaacaaaatg 240
ctgttcaggg ctgctctgct catcttcaat ttggtcagag tagaacttaa agtgcaggag 300
ttaagcattc ttaggcttta ttttgcaaat tccggccctt ccactcatcc gggttttggg 360
gccctcaaan ttccaangc cttggggntg gatcttaggt ttncatg 408
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<210> 385

<211> 401

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA181705

<220>

<221> unsure

<222> (1)..(401)

<223> n = a or c or g or t

<400> 385

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aagataacca acaattactt taattcataa atgtatatac atagattaca taaagaaatt 60
aagtacacat gttgcatttt aaaaatgtgt ctagcagggt attgtacaaa attaaaatga 120
atttaagaat acattttaac atttttaaaa ttagttaatc atatatttat ttatctatnt 180
tatttattta tntttgagac agagttttac tcttggtgcc caggctggag tgcaatgggtg 240
tgatgttggc tcaccacaac ctctgcctcc cagggtcaag tgattctcct gcttcagcct 300
cccgagtagc tgggttttgc gacatgcacc accatgaccg ggctaatttt gtatttttag 360
tagagacggg gtttctccat gttggtcagg ctggtccgaa c 401
```

<210> 386

<211> 148

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA182001

<400> 386

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tttttttttt tcagcttaaa ataaatttat tgtgcaatac aaaatgtagg catactggaa 60
aataaaggta cattattaaa tatacaaagc aaatgaaagc taaacaacac aaatgttttc 120
atccaaacac taagataaaa tgcacaac 148
```

<210> 387

<211> 479

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA182030

<220>

<221> unsure

<222> (1)..(479)

<223> n = a or c or g or t

<400> 387

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atcatcataa aaaatatttta ttataaaaaa ttatcacatt tctctgtaca tagcataaag 60
acaaaaacac aatgtataca ttaataaatt aagtgggcct gagtattcag tatccatcta 120
ctagaatcct aaagctcttc cccagatttc acaaaggcca atgtagatta tttctatttt 180
atcaaagttc atttgcacag ttggtgtaat tgagatacta acatttcttt tttctagtgt 240
tttaaagata gttcacagta tttgagttaa ttaattaatc aactgattta aatcttttgt 300
aaatacaagt atttacatgt aaaaatgttt agtcaaatt tcagtaaaaa actggaaatg 360
accaataacc tactgccaac tgttttggta taatccagaa atgcatgagc cggactccca 420
ccattaagaa atggcactgt cnaggacctc ngatgataaa actggaatcc ncaaaaaat 479
```

<210> 388

<211> 401

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA182568

<400> 388

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ttagaaatca ggtttttttt tatttaatac attctaatac aatagtaaca gcagtaaata 60
aacactttga aaaacaggca ggtatcccc tgtatctgga agaaaattaa gtcaaagtat 120
tctacacagt agaagggaga caactgttta tgtccatggg tagacaattc aaggacaact 180
tggtatattc taaagccatt tccaaaaaat caatggcaac aggttgggac acagctattt 240
caaagggtag aatgcctata cctacattgg tttttattaa cggggattga gttgcacctg 300
tatagcatga tattcttgtc tttagcttta aaggaaaaga gaaagtcttt tccatttgca 360
ccagtttgaa atatttctga aataaggctc ccatagaatg g 401
```

<210> 389

<211> 458

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA187437

<220>

<221> unsure

<222> (1)..(458)

<223> n = a or c or g or t

<400> 389

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tttttatctt tatgtttata aatttattta atttccaaga cttatgtgtt catctcaatc 60
cttgacatac tcatctgcca gacacaaaaa atagtgggtc atttaagagg ccttaatgaa 120
tgacaacatt tttgaaatat gctatatgag tacaaatatt tccagagcaa agagggaaaa 180
ctgttgattg ggtagacaat caaattccaa gcatttatct gatttacaga agtacatcta 240
ctttttgttt ttactaaat gaatacaacc acttttaata tatatgtggg tgtggctgtg 300
tgcgatattc aaaacacaca cgcacacaca ataaaagaaa catttcatag tggcaaaatt 360
ttagtgcact gccaaagtgc tacaataact gtcatccaca gacatccaca tgcnaacact 420
actggactag tacactagag ccaataagga gngtatatt 458
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<210> 390

<211> 549

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA187579

<220>  
 <221> unsure  
 <222> (1)..(549)  
 <223> n = a or c or g or t

<400> 390  
 ggcccttcctc gtgtgagggg atctgccgga cccctgcaaa ttcaatttct ttcccatctcc 60  
 gggcccttcc ctatcgtcgc ccccttcacc ttggatcatg ttcaagaaat ttgatgaaaa 120  
 agaaaatgtg tccaactgca tccagttgaa aacttcagtt attaagggtta ttaagaatca 180  
 attgatagag caatttccag gtattgaacc atggcttaat caaatcatgc ctaagaaaga 240  
 tcctgtcaaa atagtccgat gccatgaaca tatagaaatc cttacagtaa atggagaatt 300  
 actctttttt aagacaaaga gaagggcctt tttatccaac cctaagatta cttcacaaat 360  
 atccttttat cctgccacac cagcagggtg ataaaggagc catcaaattt gtactcagtg 420  
 gagcaaatat catgtgtcca ggcttaactt ctctggagc taagctttac cctgctgcag 480  
 tagataccat tgttgctatc atggcagaag gaaacagcat gctcnatgtg ttggagtcac 540  
 gaagatgtg 549

<210> 391  
 <211> 428  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA187938

<220>  
 <221> unsure  
 <222> (1)..(428)  
 <223> n = a or c or g or t

<400> 391  
 aatgggttaa aagatacggg gaggagtgtg ttgagagagg tggagaaaag gagcttccag 60  
 tcaatgcatt caccatatct gaaaatactt cagttataca aagggaacac ttcgagagta 120  
 aggatatatt ataaataagt ctctcagcaa gatgaacgga tgaacagttc aattgcaccc 180  
 acaggagaga ggtcttcttg gagaatgctt gtttatagaa tcttctgtaa aatagagttg 240  
 gctacttcta atgattcatc ttgtactaaa acaatatcat aagagtccat gtacttttct 300  
 aaaagctcat ccactctatc atttagatat ccaattttca gaatgtgctc aacattggcc 360  
 actccatctg ccattcttaa gtctccttgg gagtctcccc agaagaatta tgttacnatt 420  
 ggccttta 428

<210> 392  
 <211> 282  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA188378

<220>  
 <221> unsure  
 <222> (1)..(282)  
 <223> n = a or c or g or t

<400> 392  
 tttttttttt ttcaagagta taatattttt tattcactga taaactaaaa gccaatTTTct 60  
 tggatattct catgtatact tcatttattt tattaataag caaagccctg taagggggagc 120  
 ctttgcctag tcctccgact cngattcatc ttcattctga ctaatctgga agtaacgaag 180  
 ttcgtaggtc tccttgctcag atgcaaccac tcgaagccaa tcacgaagat tgttcttctt 240  
 aaggtatttc ttggttaagg atttcaata ccttttagag aa 282

<210> 393

<211> 385  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA188921

<220>  
<221> unsure  
<222> (1)..(385)  
<223> n = a or c or g or t

<400> 393  
gggacaggggt tttaaccaca aataggagca gcatgaattc ctagtgactt gctgcacagt 60  
attgtatcat aattacagga agtttttatt tttaaaactg gatctggggg atattcattt 120  
gccccatcac ctctgtctaa aggcccaagt cctagggctg ccatggtcac aagcacacct 180  
gatgctcctt aagattgttt atctggagcc cacatagtgt ggaacaaaaa gtcaccctag 240  
aaagcatcct tgggtcatcat tgtctccttc ccacctggc ccagagatgc ttaaatacaa 300  
gttgtttctc nagctgtcac ctccccagg agatcaggat tccactgacg tcctgggcag 360  
ccagtgaatt taattttcca tgaga 385

<210> 394  
<211> 417  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA189015

<400> 394  
ccagtgtact atttatttcc tcaagtgcct ccatggggga aaaaataaaa gtctaatatg 60  
ccagagaaat catcattgaa ccaataagac acagtaacat aattctagta acctacttct 120  
caatgaacac acatctgaga aaaaaaccgc cagtatttta ttctcatgga aaaacagaac 180  
aaaccacaaa gttggagtca cggagataaa atacagatga aatggaaaac ggtctgttgt 240  
catgaactct cactttcaaa taccatttta tatggaagtt actttactgc ggggcaaaca 300  
gaaggccatg ctggagtctc ttacttttgg aaaatggaga atcaaaaatt tgctaataca 360  
caaacaaaaa aggagggaaa ctcttttggg aaagctctac aaacataatt atacatt 417

<210> 395  
<211> 478  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA190816

<220>  
<221> unsure  
<222> (1)..(478)  
<223> n = a or c or g or t

<400> 395  
ttactttcac atatttttatt tcatttttaat ctcaaaacag ccttgtcctg attcccccta 60  
tgattctgca atgatttggc tcattgttca gaaatctaga tcccagtgcc ccgagtcaag 120  
tggggctggc ttgaacaaaa ggtactctgg aaccccaggg gagggccggg agaaaagaag 180  
ggcagccagc atgtatagag ttgtggagtg gaggagattg cccagttctc caaggtccag 240  
ctgactaaag cacctgcccc tagtccactt ggcctatgcc aggaagtcag caagctttct 300  
tgagagaaggc agaaaataag gccattncaa aaggaaacna cccatggcta atggttccca 360  
ggtaaaaact cntatgggat acctggaaan tttggaattt tcanggttaa tttttcccc 420  
cttggaana aaaaccccnt cccttttggg aatttttttt canccccctt tacaaaaa 478

<210> 396  
 <211> 358  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA191014

<400> 396  
 tttttttgct tgctctgatt caggcacttt caagatcatt gtttatttat tacttcagat 60  
 aaaaagatag tatacatatt agggaatccc ttaaaattca actctagagt tatacaccat 120  
 ctagtacttt tgcaatgaat gttaacaaca acaaaaaaaaa tctctaaaca cctgaaagcc 180  
 ccactattaa catggactat ggtaataaaa aattttgaca tttaatttgt tcaacatata 240  
 gtattttacat tatgaaacca atgggtgatga tacaataaag tgataaagaa atagtaaaaa 300  
 taaactttta aaagcaaagg tttatagtct gacaatgcta attatcctaa ttgtatat 358

<210> 397  
 <211> 391  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA191310

<220>  
 <221> unsure  
 <222> (1)..(391)  
 <223> n = a or c or g or t

<400> 397  
 aattcaggaa aatgtggctt tcattacggt caaatctcaa catgtctccc gaagagttta 60  
 taaaataagt tattctaaac atgtacattt agctttggaa tgatggagag acacagagat 120  
 atatgtaaac gtcaagagaa tcaactccact ccacgtctgg gtccacaccc ttccaggctt 180  
 tgtctggaac attatgtggc tgggtgcctga ttccacagtg aggatgcagg agcccagggtg 240  
 gtgatggata aagcattagg agacaatcaa gtgtcaggaa ttgggtcaata agaacggctt 300  
 aaataatgat ttaacaagga agaccgagta aaaaacaatc ccatttcac tttagaaaga 360  
 attaangtca ctaaattgat ttcttctaaa g 391

<210> 398  
 <211> 521  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA191488

<400> 398  
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 attacaggcg cccaccacca tgcccggcta atttttgtat ttttagtaga gacgggggtt 180  
 ccccatgttg gccagactgg tctcgaaactc ctgtcctcag gtgatccagc ctgccttggc 240  
 ccccaaagtg ctgggattac aggcattggc cactgtgtcc ggccctggac cttattttct 300  
 aatgttaagt ttgagttctg ggtttagtgt ggcaagaatt tccctcagct gccatcaatc 360  
 ctggctgaag ttaacccctt tccatcactg acccagggga aaaaaccacc aaatttactt 420  
 actatctgtt aaaaattcaa aaaggaagca gatgatcaag tcattgaaca aaaagctaca 480  
 tggattagac aagaacatat aacttggtc taagatgatg g 521

<210> 399  
 <211> 579  
 <212> DNA  
 <213> Homo sapiens

<220>  
<223> Genbank Accession No. AA191647

<220>  
<221> unsure  
<222> (1)..(579)  
<223> n = a or c or g or t

<400> 399  
atgcttccag tcttctttta atgtttatag tcattccaaa gtaacattct attttacact 60  
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ttcattcagc cagatttggg gtctatagaa aaagaaattt taagaccatt attaaaaata 180  
atatatgggt agaaattagt agatgggtct ttaaagtgtat tccaattttt aatgttactt 240  
tactcctgat tcatttataat ttttctgctt tttatatgtt taaaaatctc tcattctatt 300  
gctgctttat ttaaagaaaag attactttct tccctacaag atcttattaa ttgtaaaggg 360  
aaaatgaata acttacaatg gagacacctg gcagacacca tcttaaccaa gctgaagtta 420  
acataaccag taatagaact gatccatctc tgtgcctcct gatatgggtg actaagaaaa 480  
acacacatca ggctgaagt ctgcaaaggg gctaaccaaa tctaacttag gaacttggn 540  
aactcnatgg aggacttcta caagtgccg attanggat 579

<210> 400  
<211> 629  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA191708

<220>  
<221> unsure  
<222> (1)..(629)  
<223> n = a or c or g or t

<400> 400  
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tttaactaaa tgtacatctt tttttccaat tccatgattg acaagagtgc ttatgcgacg 180  
catggaaggc accagagggtg aagtgtattat ttgccttaaa atatacaaag aattgcctac 240  
tttgaaaaaa aaatagtcac acttgtaaat aaatagttaa gtgtttctgc catgggttcc 300  
tgaaccctca caaatttcaa catatacaaa tagtttcaat tctaccatt ctcttagagg 360  
gaaccacgtc aaacaaaatc aagttaggaa aagcactgat tttatccaag taggtcaatt 420  
tgaggcaaga ttcaaaaact ctttttaaat ggggttacgag tgaaagagtt gggaacaggc 480  
agcccccttg ggctgggtc agcctacgag tccatcccgg tgtcctgcc tcacatctgc 540  
cagccctcag gccggccagg tctccttcna accctgagta ttgccttct cacttctgcg 600  
aagaggggac agaacttgaa gctgcnaat 629

<210> 401  
<211> 518  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA192755

<220>  
<221> unsure  
<222> (1)..(518)  
<223> n = a or c or g or t

<400> 401

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ttaagttttg tcaaaagttt aataaattcg caacattcga cagttcnccc tccctcgccc 60
ccgccccccg cccagtgccc tggtctctcc tagtagatac gcgttttttt ccagctcttg 120
caagcggggc ctgaaagggt tgggtcccg gctgctctgg gcanaggat cggaggcccc 180
aggctgggga agggggcgag aaccagtcct tccccggaag ccccgtcgcg ctcaggcggg 240
ccttcttacc cctcctctcc cagcagtcct gttgctttcg cccccctccc caaactccac 300
tgggccccgc cagaatgggg tgtgggtgtc tcccgtttgc aggcgcccgc acacctaaat 360
ttcctctaga aagtcggtgg gaaacagccc caccttgccg ccggtgtaga ccttgacgta 420
gccgccccgt tcgtctcctt tctgcaccac gatctgggtc ttcttgagag tgatctgccc 480
tatctcgcgg ttcncacga aggatctcgt cacgcggt 518

```

<210> 402

<211> 383

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA193204

<400> 402

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tgaccatttt taaatatcat gatttttttc tttctgatcc cacattttga cgtgtcaaag 60
cttagagcag gaagtaggaa tccacacttt cacggagggg gaccagcctg ccatgtcgtc 120
cccaggctca cagcagcggc ggctactctg ctggtgggtt ggtggcagggt ggagatgggtg 180
acggcgcatg ggaaccgta agcatgacaa cgggagggccc gcgggggtgtt tcaggcgcgt 240
tgaccagggt catggctggc aggcggcctc tacagaagga ggggaagcgca attcacagcc 300
tcttgacgta attttcggg gaaagtacca aagaatttgg ttcttcttga ggtccccaca 360
aaccagccgt catcacactt ttc 383

```

<210> 403

<211> 250

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA193223

<400> 403

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taaccaggag aaataacttt atttgactg agagctggag aacaagaata ggacctgaga 60
tagcatactg ggctaaggag gagaggtaag gttccaaaat ggcagtcaaa gctcatcgac 120
caaacagact ctacttcca gcaaccttgc agttagtgc accaacaaaa ggctgctgg 180
ggaatgtatt ttccactaaa ttccccaaagt atgccaacat tacaaaaaaa gatagagggt 240
tttcatcata 250

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<210> 404

<211> 523

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA193297

<220>

<221> unsure

<222> (1)..(523)

<223> n = a or c or g or t

<400> 404

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caaatatga tatgctggag gaatttgcct acttgagaac tcaggaaggt gggaaaattc 60
atctggaatt actacccaat caaggaatgc tgatcaagca ccacactgta actcgaggca 120
tcaccaaagg cgtgaaggag gactttcgcc tggccatgga gcgccaggtc tcccgtctgtg 180
gagagaatct gatggtgggt ctgcacaggt tctgcattaa tgagaagatc ttgctccttc 240
agactctgac ctgagtggag acctttccac cagacacagc tcgggcctgt gtaattgtag 300

```

gagaagacac tcagcagtga ttgccatgga cagagccgtg gtcattgttg ctgttacaaa 360  
 gaagaaaacc atctgagttc taactccttg gttgcttaaa agtagttccc aagaagtctg 420  
 agaagctatt tccaattttt taagagtcac ttttttgtaa ttttttgtaa aacccaaaagt 480  
 accaatcctg ttttgtaaat naaaaatcat cctaaaaatt ccg 523

<210> 405  
 <211> 302  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA193671

<400> 405  
 ttttttttag acttgtaaaa caatttttaat gtttactcaa aataaatgag atgtcatcat 60  
 tagcccttat ctctcacact tgaaaaatgg agacagttgt tcagaataga aagggaaaca 120  
 gctattagag tttaagctca agtttcaaga agaattcaga taaggcaggt aaaaactcta 180  
 gatacttttc cactgtccaa catcaccaa tattaatttc cacatacctc tttatttcat 240  
 aaaaatataa atatttatta gaaatagtat gtttaagatt agtttttctt tctaaataac 300  
 at 302

<210> 406  
 <211> 75  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA194075

<400> 406  
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 agcttgtgca gggct 75

<210> 407  
 <211> 619  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA194146

<220>  
 <221> unsure  
 <222> (1)..(619)  
 <223> n = a or c or g or t

<400> 407  
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 agatgggttaa gttgagaatt aattatgttt atcatggatg gctactaata ccaagctcat 120  
 gattgttgca gcctcaacgt cttaggcagt aaaacttgct tgcagcacta aagggggaga 180  
 aacccttata ttttgcaaac tgtccattcg ttaaatttat tgtaacctaa taccaaaaaac 240  
 tgccgttttt catattattt cccacacctc tacttttttt tntttttttg ctacttgtaa 300  
 aataaccctt tctagaaaat aagcattaac tggaatgttt caaacaattt tgcttcattt 360  
 tactatcagc cactagttaa ctcttacaga gatgtacatt taagataaaa ttagcttgtg 420  
 ctaagtgttt taaaaacatt gtttactgnt aaagggggaa ttgcacatta atattnaact 480  
 gggattgctc cctccctcag ttccttaaaa accagagtca aggctccac caactttag 540  
 gctgtgggag ctttgccata ggtagatcca tggngaagta acctttttta gcatgaagaa 600  
 gccagggacc tccttatat 619

<210> 408  
 <211> 139



<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA194237

<400> 408  
tttgaattat gacagaaatc tttattaaaa tgtgtctttc agtaatatgt ttagcattca 60  
atatacacac atacatatgt acactctttg acacacctca tggattgctg ccatcagttt 120  
aactaataaa ttaaaacta 139

<210> 409  
<211> 520  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA194724

<220>  
<221> unsure  
<222> (1)..(520)  
<223> n = a or c or g or t

<400> 409  
ccatnattnn nnacctttta tactctneng tntncacacn cccacagtnt nantgggctc 60  
cnccctcact tantgnccgc cgtnatggcc ttgannttgc ctgcccgcgc cagnatgttt 120  
ggcacaaaaga gcagccccga agcccgtca atgctctcga tgggcaccag gaagcgctcc 180  
agtgggatgg cctcatccac aggtgcgttg ggcatacagt aggtgcggan tcaatttgcc 240  
cacctgctgc ctccaggatc agcaccttga agaagtgtgt gggcactgca cgtgggttctt 300  
gccgatgacc tgggtacttta cgtaggattt cccatcagcc tctggtcctg tggggcagac 360  
ccaggcacac gtgggcaggg ggccctgggat gaacccaaag ccacctcttc caggcagcct 420  
tccccgatct gtcccccaan ttctgggtcaa cctggcanga ccangccctc actgggaaaa 480  
cttctngaag cntgcctggg tccctcctga aggctggaaa 520

<210> 410  
<211> 157  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA194730

<400> 410  
tcaattcagg tgactgtttg atattttcat aacattttct ttaacattta atagaaacta 60  
tatacaataa atttttacta tattttacat aagatagcaa ccacagaaat ttacataggt 120  
taaaagcaag acggataagg aggacccagt cctgttt 157

<210> 411  
<211> 292  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA194833

<220>  
<221> unsure  
<222> (1)..(292)  
<223> n = a or c or g or t

<400> 411  
ggattttacca acacgtaggc ttttatttct tcccattaca tctgttttagc cacagaaagc 60  
attggggccat actcactgca gaagataaga cttcctcaga atctttattcg tttagtgcac 120  
tcaatttttac ttcactgtct catcacttga gagactgggtt aaggcaagaa acccatttct 180  
taacatttttt tttatttttca aacatttgaa aagcaacacc aaaacgtatg cagttaattc 240  
ctcaatttctt tcccttagna tagcactttt taaattacaa aaccacactt ac 292

<210> 412  
<211> 362  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA194997

<220>  
<221> unsure  
<222> (1) .. (362)  
<223> n = a or c or g or t

<400> 412  
gtctctcaga gaattatttta atantagaat taccatantt ntggcgcaaa tgtgnccaac 60  
accaatgtga caagtacata tatcngaate antcttttct cagagaatca caccttccct 120  
tggctctgct gtggatccaa atcaagcctg ggtgtgtcng acaataccag ggcacgggtt 180  
gcttcncggc cctccatctc tactgttttg ctacagcttg agttcactag gcatcgggtc 240  
ccctctcagg ccagccagca agttgttagc tgccaacaag gacatgggtg tgcgggttct 300  
gtgggtggca ctgcaatgtg gggcagaatc acacagttct tcaggggtcag gagaggggtg 360  
tt 362

<210> 413  
<211> 556  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA194998

<400> 413  
aactttaaga gattttttttt aatgaaggaa caaatcaaaa tggctcagaa aaatcagatg 60  
gagtggatag acaaataaaa tacatgttaa tgcttaacac attgaatata aatttttctt 120  
atactaaaga ctttaaaatg tccatgtgtt aattttcttt ggaggtggaa aaatagtttg 180  
tccaaaaaga cacttttcac agttgaagga acttgaaagt tctgtcccag tgagtcctaa 240  
tggttttatt tcaggcagca gattcattgt caaatatctt actttttaag gtctgttagt 300  
tatgctgaat aaaattctct gcaccatgaa cttcagagaa tctgaagtca cttctcctga 360  
cagaccagtt tttcattttt attgaattct gaattgtgtc cgatgtaaag tagtaaaacta 420  
taggggtcaa acaacagttg gaaacagcaa tacagagagt gattgggtac attgtcctta 480  
ctgctgccac tactgagcaa ttaacaaatg tttgtgttct cacaagagaa tataaaataa 540  
gattgatacc tcgtgc 556

<210> 414  
<211> 108  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA195067

<400> 414  
tttttttttt tttacttttt aagctttttt attcttgaaa agttcaaaga tatacaaaga 60  
tagactatgc aggataatga gccccacat actccgcata tcttgtct 108

<210> 415  
<211> 411  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA195179

<220>  
<221> unsure  
<222> (1)..(402)  
<223> n = a or c or g or t

<400> 415  
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tatgctgcag ttcagccgtt gaacacatag gaatgtctgt ggggtgactc tactgtgctt 120  
tatcttttaa cattaagtgc ctttggttca gaggggcagt cataagctct gtttccccct 180  
ctcccaaag ccttcagcga nacgtgaaat gtgcgctaaa cggggaaacc tgtttaattc 240  
tagatatagg gaaaaaggaa cgaggacctt gaatgagcta tttcagggt atccggtatt 300  
ttgtaatagg gaataggaaa cttgttggc tgtggaatat ccgatgcttt gaatcatgca 360  
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<210> 416  
<211> 790  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA195463

<220>  
<221> unsure  
<222> (1)..(790)  
<223> n = a or c or g or t

<400> 416  
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tcaaagtgtc ttatgttata taaggtttaa cttactttta acaaaaatgt aacatagtgt 120  
taaaactggc tttccaaaac agtcacagca tagctgtact ctgtactaat aatcacaaaa 180  
ttgtaatata gaactctgtt atgcagtccc attatgttct tacaaaaata gaattaaact 240  
gtgtgaccag acaaggactt caattacact acttggcaaa cttagaattt cagtggagtc 300  
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atgattcagg ttgtttgttt gggctgtttt taatctcatc acaacggagg gatgttttcg 420  
ctttagtcct ccgggcttct tcccagattg ttactaagtt ntaaacaaga aatgctaact 480  
gcggggctct tcggcatccc ttncggaagg gggctgtggt agtgtcccac aacattggnt 540  
tcaaagcaca cngggttcgg cggcagtttc acangaacta cacctggatt taggaggcca 600  
acactagcaa atttcaggcc gaatggtagt aggcgtggaa ttcccgtgat tatggaaaaa 660  
acgtccttta atgggttttag gccanccccc aggtatggaa gttnggattt ttcccatttt 720  
atgtggaggc agtnggaaat ggattccggc tttccagaaa gtttgnccaa acatggtaat 780  
tcctggaact 790

<210> 417  
<211> 395  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA195515

<220>  
<221> unsure

<222> (1)..(395)

<223> n = a or c or g or t

<400> 417

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nncctttatca tactatTTTT aatgcatgaa ataaaaaatgg tttatatgta catagaatac 60
acacacacac acacccttag gtcaatttct taggtctcag ttgtgggttaa attcactttt 120
aaatacaagg ttccaagtat ccaagttgcc aggccagttg cctgtacctg gaacagcctt 180
tccaccgaat aagaagagtc cctacttaaa cagcttaagc taatttccat canacnattt 240
atencagtct aattaccagt ttatcagtct cccattaaag tggggggtcc ctgagagcaa 300
ggactggtca tcttactttt gccttgaaaa gtagacatng gtcccaaatt atctgctaaa 360
tgagtantga acaatatngt ctattcagaa ggtgt 395
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<210> 418

<211> 381

<212> DNA

<213> Homo sapiens .

<220>

<223> Genbank Accession No. AA195656

<220>

<221> unsure

<222> (1)..(381)

<223> n = a or c or g or t

<400> 418

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gtagtTTTT tagtgaaaacaaa tttaatatca tcttgTTTga acaaagcttt cagaataagt 60
gagcaattaa attcttaaag tagggacaga acaccaacag gctctagact ccggaagagc 120
tgtaanccga caaatgggca ttgtTTTgct taacagTTTT agcttcaatg taaatatata 180
ttattactta gaatattagc atctgaacta tataatgact attttatcat tttacttgaa 240
ttaaaaccag aatttctgga acttccaaat agtctTTTaaa gtttttcaat ataaacataa 300
actaaccctt attcctctct acatatcaaa tgtgaaataa ctgtcacaat atatcagcat 360
tttcacagaa agatgtTTaa g 381
```

<210> 419

<211> 391

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA195657

<400> 419

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acaagtatct acaaaatctt tataaattca catatTTTT tgaaagtgta caagcagtct 60
caatttactg ggacaaaaat gaacattttt gttctTTtagt aatgaagtca atgtacaatt 120
cagagcaggt gtccatagaa acaactaggt ttgaaaaaac ttaagacaat tcacagttga 180
aatcaaacaa caactgtgaa tgtgtTaaat acttgccata taacaacgct ttaacattga 240
tcttgctaaa taaggctatg attcataaga tgcagtatt tccaaagctg tttaacattc 300
ttataaatta attcacagga ttcaaatagt tgctTTTTtag cttcaactgg gtattagcaa 360
aaataatata aaatgatccc cgtgcaagca c 391
```

<210> 420

<211> 485

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA196287

<220>

<221> unsure

<222> (1)..(476)

<223> n = a or c or g or t

<400> 420

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atcataactta attcatgaat aacccccata gtgtaggtta gttagcacta tcaaagtgac 60
tggttaaggac gcaggaaaat aaaaagagga ttcaattggg ttggtactgc aaaaagaatc 120
cattctgttc agcacatgaa tttctgttct gaccttaagt ttagatatat caaagaaaca 180
aaaagcatag aggcggctgg ggggtggtggc tcacacctgt aatcccagca ctttgggagg 240
ccaaggcagg cagatcacct gaggtcggga gttcgagacc agcctgacca acatggagaa 300
accctgtctc tactaaaaat acaaaaattag ccaggcatgg tggcgtatgc tggaaatccc 360
agctactcag gagggctnag gcaggagaat tgcttgaacc cgggancag aggttgacgt 420
gagccaagat tcacgccatt gcactctagc ctgggcaaca agagtggaac tccatctcaa 480
aaaaa                                         485
```

<210> 421

<211> 449

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA196790

<400> 421

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gattgacaca catcataagc tatcacccat ataccctaaa tatacactgt ttatgctttt 120
tctttttcac ggaacaaggc gacactatct ttgttcaaac caaagtgaaa aggaagagat 180
acaataattt taaaaagagg ggtgtgtgtg gtcttttact ctcagatagt gaatgtacgt 240
caccacaaca aggaaaaagc gctgaggaag aatgtgcac ccacaggcca gagagtcaag 300
caggaagtac cagtagagca cctccaaata tagcaaattt ggaacaacta ggcattactg 360
tgaaagaact tcctagtttt tcatattgtc gccaccacat tgctacattg gaatttaagc 420
cctcttcaca gtgccaatat caaaatgag                                         449
```

<210> 422

<211> 433

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA197311

<220>

<221> unsure

<222> (1)..(433)

<223> n = a or c or g or t

<400> 422

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gacagcagtg cccaagctgg catcogtcag nacntgtggg cctttgtgtt ttgatgctac 60
acatgtctat ggagggccac ttcttctgta agtctgtggg gcctcagcat acccaatagg 120
cagcaagttt cagtatttcc cagttgtatg tcctcatggg ggggctatgt ctccccacc 180
acttccccctc tcatcaggct agactttaac atccatcaat catgtcttga gtcttgctcc 240
ttcctcttgg cttagtcatg tgactacaga tcagatgcgt ggccntagtg ttttaggtgt 300
gcaggtacca tggcccaaaa tgctgttgta tctgactgag gaaaatgccn ctgtcctcng 360
gcgtcccnag ggnccgtagg tgnnagctga atnggcatat gtcttccact ctgttcagtg 420
tnnaacactg cca                                         433
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<210> 423

<211> 428

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA199603

<220>

<221> unsure

<222> (1)..(428)

<223> n = a or c or g or t

<400> 423

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taaaattaat cgtgaacact tttcttggtt aaaactcaaa tacagaggat aggcaggatg 60
tctccctgcc cccagtttta cttcccgcacc caaaggaaac ctggtaactg gctgtcatcc 120
tcccagaagt ttttctatgc ctttatttat taatgtacac ttgtaaaaca gcatttgggt 180
ttgctgttat actaatggcg ttataacata catacattgc agctcttttt tcattttaact 240
gagcctcaga aatcctttcc atatatacat gtagatctag gccattcttt ttaaagctga 300
gtaatgtttc atagtgtggg cataatacct acacttgtgt atttccagta agcctttaca 360
gatactacta ccntttttcc tttaaaaatt aaaagggtata atattaataa aaattccccg 420
ggaatttg                                     428
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<210> 424

<211> 905

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA203222

<220>

<221> unsure

<222> (1)..(905)

<223> n = a or c or g or t

<400> 424

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atacactcag tgcagcctta agcaaagtga atcattttca gatttcattt tttttttcag 60
tctttctact tttgtaataa taggaagtta gtaggactca cttctctgat taataagcaa 120
tttgcagcac acagcggtcc actgcggggt ttcacgctca cctgaaaaca cctgttccca 180
acctacttct tgggtgcaagt tgaccaaata gttttaagtg gtaacttttt ccaaccgtag 240
caggggttgtt ttctgttaag caaagccgag atccagtgca atacctggac tgtcaccgtc 300
ctgtgagtgg tgtacacaat gggaagataa taagccgtgg tgttttgctg tctgtctgtg 360
tcacaagcat gaaaaccggt gtgtcattga tcagcaccat ttgtgggatg ttccgtgatg 420
agcgtttagt gagcctgctg gctgcagagc actatgaaat catggtacgt agtccccggc 480
acctgtcgtt attcctatat cctcctgcaa ctgtgggttg aaactgcgca ttctctagta 540
gtatatatcg tgcctgtctt caaaacatgt ccctttttat actcattccc ccaggcatgg 600
ggtagtgtta gtcgactgac agggacacgg gtacagtggc ttggccctat ctggaacgct 660
gcctgtacga tngtatgggt gctcaatccg tgttcctagc gtctacgagg ctaaaccggg 720
atggagttac cacntctagc gcggatgcat cncatgaaag gaagcacctt gtggaccggc 780
acggtactgg atcacaagag gtgttattgt aatagagctt atgaaacgcc ccttgataaa 840
aagattgcgg ccttgtttgc ggtggtggag gattcactgt ggcccttgcg aggcgtccct 900
tttta                                     905
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<210> 425

<211> 559

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA204927

<220>

<221> unsure

<222> (1)..(559)

<223> n = a or c or g or t

<400> 425  
tacaatgtgc attttattcc atatcattat ncaatgttta catatagtta anactctcaa 60  
ganaacgtcc ttaccagtt gtatgtggtg tctaaatctt taacatgaag gactgaaaag 120  
ggtggaaatc cacactgatt gttatcctac agattgtcat gagctgcacg tgncaatca 180  
ganaggaaatg gaagtctcag aagagcagcg tggcttacag acccttggct ttagtgaatt 240  
caggcatgcg ggatccatag tctcatcttg taggtaaaac tcaagacaaa nataantt 300  
ntgttggaca gagttcntac attggtacaa tgnttnaaca aaaagaccca caggggganc 360  
cttttngttc aaagtnggcn ccaattccac acctgattgt ggtntccaac attnaacctt 420  
cctgtttgnc tccancattg ggcccttttg aaagggaact tctcctgcnt tagntgaggg 480  
attcccan gn tnantaagcc cactggtngt ttgctaaann cncctacaan gtnttggcgg 540  
catnaaccg ggaaantgg 559

<210> 426  
<211> 523  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA205724

<220>  
<221> unsure  
<222> (1)..(523)  
<223> n = a or c or g or t

<400> 426  
cccattgggt gacagcggtt attgaaagga aatcttgctt tatccaggaa ttcactcaca 60  
tggaggtagc tgcaaggaga atgtctcttt ctcatgacaa ccaaagcgac caaaccatac 120  
cctaaagcag agacgcaatg gaataagtca acgggcattg tagaacgaca ctcagaagca 180  
ggaaaaacca taaaagatac aggatgattg tctcttcagt attgcatttg gccatgtatg 240  
tgttttttaca taaaatatat gttttctttt taagctagct aaagaaaata ctcttgatcg 300  
gggttagttc ttaaagcaaa aaacagaaga aaagtatgta tatataatan aattaaagaa 360  
cgatagcatg ttatacctgg aaaggaccgt gggcactaat ctgcactttg ttccaggtaa 420  
tccatggctc tgagagtggag cacactgtca aagtcactgg ggtgagatga gccgggactt 480  
ggaaaaccct ctcttaactt tcagtctcaa ctctccac tcc 523

<210> 427  
<211> 335  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA206023

<220>  
<221> unsure  
<222> (1)..(335)  
<223> n = a or c or g or t

<400> 427  
aacaacagct aacatttctt gagagcttac tgtgtgccag acagtgcggc aggcactaat 60  
tacaacctca ttttgcggag acaaaaaggg aaggtgccct gagaggggag tgccaagtgc 120  
cacagttgga agtggcgga nagggacata cccccacgca gtctatgtgg gggaaaccag 180  
gtgactgtc ctctctccac aatcttccct gaccagcat gcaaagtgtg cnaatgcact 240  
gtaagggatg gggccctgg ntgacaagag tgtggagnaa gggcctgggg ggaccatggc 300  
ctgatggggg ggccactggg accagggacc ttttg 335

<210> 428  
<211> 409  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA206914

<220>  
<221> unsure  
<222> (1)..(409)  
<223> n = a or c or g or t

<400> 428  
tccaagccgc ctggctcctgg gtgctttgtc ttggcagcca tagcagatga atgcactggc 60  
gttttggtgaa aaactggcag gctttgaggg agtgagtcaa gtgcatggga aggggaaggcc 120  
ctctgcatan gntccagggt ggtggcctga gnaagcgtgt gccaccaca cagcaccgtg 180  
agagaagccg gccagctgga gcagtgcacg gcacgtgagt gangtggggag atgaggtcag 240  
agagatgggg ggcaccttgg ctttgaccct gagtgagaag ggctcaccgg aagagttgca 300  
agcagatggg gggatggact tctggccttt atgttcttta ganggtccct ccggagcctg 360  
tgntttacct cattaaaggg gcccaagggt aaaaagttna aaaggccna 409

<210> 429  
<211> 416  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA207103

<400> 429  
acgatagtta cttttgttat gtattttacc acaattttta aaaagcaaac caaaaccaac 60  
caagagtgtc tccccacac ctcaaaatca tcctgcagca gctccctggc ccagctctct 120  
ctcaccctga ccctggggcc ctctcccacc acccagggt agccctgtgg accaaccatc 180  
tctgccagcc cctccccgac cctccagcca gggaggtggg gcgctggccg gtgaatgggg 240  
caggccaggc ccaaaggctg gccaaagggt caccagctct ggactgggag tcccgtctga 300  
gggtggggatg accaacatgc cagctctggg ttttagcttg aggatgggca cattcaagca 360  
ctgacagcca gcaagcttgg gcacagggcg atgcttaacc tttaaaaaat cgggta 416

<210> 430  
<211> 413  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA207123

<220>  
<221> unsure  
<222> (1)..(413)  
<223> n = a or c or g or t

<400> 430  
agaaagtaaa aaacgttttg gtatatatttg atccatgggt ggcattttca aatgtgcaaa 60  
aacaaagtct tggaagagat tccttggtcac tagaaagttc gcccttcctt ttgctgtcag 120  
ttgtacgtaa gagaaattcg tccacattaa ggaatccaaa aagggtaaac taaagggatt 180  
taaaaagagt acattacaaa gaataagaag ccctgtaaca tctatctgag aatactagat 240  
aaatctgtga gtagatgtgg cacctggagc tactcactac attactaaaa acaganacaa 300  
gaaatctata atggcaggat cacaacattt gcgcgcgcaaa taggctaacc caaccaaaga 360  
ctggccaccg agaggccagt nctgtctctg tgactggact ggggaacttg gga 413

<210> 431  
<211> 449  
<212> DNA  
<213> Homo sapiens



<220>  
<223> Genbank Accession No. AA210850

<400> 431  
tttttttttt tgctgatcta gacttattaa atttatttca tgtcattgtg gtcactttta 60  
cagctgttta gacttatttt caatcacatt actcttcaca gaattcacag aattcattaa 120  
ctaactagta tgttacatcc aagggttctt agtagcacat tgaaatagaa aagaggccca 180  
cgagttgttg cttgtgtgtg gaacctgagt ctgattactt agacagatgt ctagaacatt 240  
attgctttat taggcctatt tttaaaaata ataaattatt cctaggaaac ccaccctgcc 300  
aggtgctcat tctgcgactg ctgtgggttc actcagaaca tacctgactg gtgggtgctg 360  
aatgaacctc ccacccatgt accctgctgc tccggacgct ctgagggcta gagcaatgcc 420  
cctccatggc gtgtaaacat tttctacag 449

<210> 432  
<211> 393  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA211370

<220>  
<221> unsure  
<222> (1) .. (393)  
<223> n = a or c or g or t

<400> 432  
tttttttttt tcctgagtag atctcacctc tttatttttt ctgcctttgt ctgcctccta 60  
ccaccacttc tcaaagcaaa tgtgttcttt gggtagatgg ttgttttcca gttgcttgga 120  
gaaaaagtct gtcattggag gtggggccaca aatatagaac aaagtctctt ttgaaatatg 180  
atctcttata tccttctccg ttattcttcc ttccgtgatg tatggcttga gttccgcatt 240  
gatttgtgta gtctgttttg taacatgcaa actgcatgca atcttctcag gaaattcatt 300  
tactaaatca aggatatttt tcttaaacag gagttccgct ggggtattttt tgcactgtag 360  
aatagtttta attgttcena tccccatata cat 393

<210> 433  
<211> 408  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA211388

<400> 433  
tttttttttt tttttttttt ttccctgcaa tatttattaa ggaattttaca catacacagg 60  
agaaaggcag ccaggaactg tgggtccaca catgaaatct tttaagcaaa gttttcttgt 120  
ctgaattttc aagtgggggtg aacaatgact gagaggaaag ctgtcccggc cctctgcctc 180  
gtacacctgg gaacggtggg gaaacagagc accctggata cacaggcatg aaagagtgat 240  
cagcagaccg ggagaaggga agggagaaaag ggagttatca atgacatggc gttttttaaa 300  
ccataagaaa aacacaacag ttttaggctg ctgataaatt aattcctctc tgttgtaaac 360  
ctaaaactaa acaaaaaacaa aaatacccgag agcagatggg gagagggt 408

<210> 434  
<211> 458  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA211418



<220>  
<223> Genbank Accession No. AA213696

<220>  
<221> unsure  
<222> (1)..(346)  
<223> n = a or c or g or t

<400> 437  
tttttttttt ctttttaggca ctttttattt tccaaaaaaa aattgtcgtt aatatataaa 60  
catctcattc tctcaaaaaa ttctacaact atacagctgt ttgctccatt atttgcatag 120  
gaaatgacca caatacaaaa ataagaggga aaaagaagca aaacagcaac cgattttctgc 180  
ttttcatgta ggtgtgtttc cacgtataaa cattttgaag cctcttaca aattatttac 240  
atcgtttgtc atcnatttac atcttttaag agcaactttt ctaacaaaca aaactataat 300  
ttatcaagtt atgnaaattg tcttctaaaa aaacttacta tattac 346

<210> 438  
<211> 514  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA214542

<400> 438  
ttcaatcatt attataattt ttagaagtta agattatttg gattccataa atattaattt 60  
ggataagaca ggttccacac atttcagaca aacaggtctt ttacctatag agggagaatt 120  
tcatctacgc acttttccat ttttctgaat catccagata atggctgac tctggggaga 180  
aaagactctt ctttgtcct ctttacttct ttctagggtga aagagggctt gatagagatg 240  
gtgaccttta aggaaaagga ctgaactctg gtgtcacaag ggggtgtttc tccttgggac 300  
cagtctgttt tgactctctc ttttagagctt cttaaaggag tcatcatttg gaagtctccc 360  
tttttcctta aaactgatgt gacacaacag gtttgaagct gcctctctct gggaagttga 420  
tggtagccta ggagggcctg aagaggattg ttcagatgac ctttaggaag aatcaataat 480  
aatccatat ctctctcccc tctctctcct cacc 514

<210> 439  
<211> 475  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA215299

<220>  
<221> unsure  
<222> (1)..(466)  
<223> n = a or c or g or t

<400> 439  
annttcggca cctgggaaaa aggagagcat cttggacttg tcaagttaca tcgacannga 60  
cgatccgggt aaagttccag ggaggccgcg ancagntgga atcctgaagg gcttcgaccc 120  
actcctcaac cttgtgctgg acggcaccat tgagtacatg cgagaccctg acgaccagta 180  
caagctcacg gaggacaccc ggcagctggg cctcgtggtg tgccggggca gtccggtggt 240  
gctaactctgc ccgcaggacg gcatggaggc catccccaac cccttcatcc agcagcagga 300  
cgcctagcct ggcggggng cggggggtgc agggcagncc cgagcagctc gggtttccgc 360  
ggacttggct gctgctccca ccgcagtacc gcctcctgga acggaagcat tttccttttt 420  
gtaaaagggt tgaatttttg ttttccttaa taaaanttgc aaaccttcaa aaaaa 475

<210> 440  
<211> 477

<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA215379

<220>  
<221> unsure  
<222> (1)..(477)  
<223> n = a or c or g or t

<400> 440  
acttttttagt agagacaggg tcttgaaatg ctgcctaggg tggctcttaa ctctctggcct 60  
caagagagcc tcctgcctct ttttttcctt ttaaaataag aactatcact gttttcttct 120  
ccttcctttt tttttttttt ttttctctag caactattgc caccctggcc ccaaaagtta 180  
tttatagagt acattggttag taattatact tacaatttag tccatggagt gcaggaccat 240  
gaggaactat agctagataa gattgtgcc aattagaag aatagacatt ttactttcag 300  
agaccatgac taaaagaata ttaacaccaa gatgctcctt ccatcagctg gatgtacctt 360  
tgggcttgga aagatggcaa gtataggagt tgtactggaa cggctggatc aaatagggtg 420  
aaggcatttt tgtcattgta catgtgggga aaagcaacca agtaataaga cncacn 477

<210> 441  
<211> 278  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA215468

<220>  
<221> unsure  
<222> (1)..(278)  
<223> n = a or c or g or t

<400> 441  
tttttttgaca gagccacact cgccgtcttt attttgcact caccctgggt gacactgggc 60  
aggccgctcc tgccacagcc agactgagga agaacacagc actcggcagg cccagtgggg 120  
tccgtgcagg gaggaccag gaccagcctt actcccgagc aaggacaca gggccccaca 180  
gagaaccctt ccgggaggtt ctctcctggc tgggggaggg ctctggacct ccacaaacac 240  
tccccaactt tcgggggctg gggcataaaa aaaagnca 278

<210> 442  
<211> 396  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA215585

<400> 442  
gagatggagt ttcactctta tcaccagggc tggacgacag tggtgcaatc tcggctcact 60  
gcaacctctg cctcccaggt tcaagcgatt atctcgctc agcctcccaa gtagctggga 120  
ttacaggcgc ccacctaatt tctgcatttt tagtagagac ggggtttcac catgttggtc 180  
aggctggtct caaactcctg acctcaggtg atccacctgc ctcagcctcc caaagtgtg 240  
ggattacagg tgtgagccac cgtgcccagt gtagtagacag caaaatttaa agttcaccaa 300  
ctgatgttcc caaaagtgtc gaacactaaa tgacacaggg ctatgaggta catacatttc 360  
ttttagtagg agggaaaagt aaaagctttt caaagt 396

<210> 443  
<211> 420  
<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA215919

<400> 443

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gaaagggcgg tttgtgatgc tcctgccatc gtcaactcac accattccat tctatcccaa 60
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atatgaccaa agaccaacac ttccctatgt tggagaccca atcagttcac tcattcctgg 180
tcctgggggag acgcccagcc agtttccttc cacttagagc acgctttgat ccagttggcc 240
cacttccagg agctataccc catctttgcc acgggcgagg gcgggcccc aagacagatt 300
ttcccttttag agcccagcag ggggtgtggc aactcatagg ccggctgtca ttcattgtat 360
tgatttgtaa tttcatatct ggagctccac ttgtttttgt ttctaaacta cagatgtcac 420
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<210> 444

<211> 357

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA218663

<400> 444

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ttcttttctc taacttttct ttttaattct ctacagtagc ttttaatttg gcatagccat 180
gtgttggttt cccatcaaag gggtcatctc ccgggactgg gcattctcta ctattaaaaa 240
gggtccacat acttcacaaa ctctcatttg ttttcttctg gcagcaaagc tttcaattgt 300
cgacgttgtg gaccttaagc agttctctct cttcttttaa ttggctcaac taatttc 357
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<210> 445

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA218727

<400> 445

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tttttttttt tgagatcgag ttttgctctg ttgcccagtg cagtggcatg atctcggctc 60
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gaactacggg tgcgtgctac cacacccagc taatttttta ttagagagac gggtttcacc 180
gtgttagcca ggatggtctc gatctcctga cctcgtgacg cgcttgccct gccttccaa 240
agtgtgaggg ttacaggcgt gacacccgtg cccggcctca actttttatt tattagcttg 300
ttggtcttca acctctgtaa gcctcagttt cctcacttat caatcatcta ctgctgtata 360
gagacaggtc catctcctag catgcagggt gaggctaagt tgacatttga a 411
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<210> 446

<211> 377

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA219039

<400> 446

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atttaatagg gaagggaaat agctaattac atatgttatc aaaggaagcc aggaagtgcc 60
tgagagagaag atacatccgt aaatctcaga gtcacacatc atagcacaga gtatggagcc 120
tgtgagaaag aactaactgt gtggctgatg tcaaggtttc atccaagcta gaaaatcttg 180
catagaaagc acccaaactt gtacttgccct tgttccttc tgggctcccg aattgttata 240
```

```

gggcttttga aaaaaattaa tgatacaaat cctgcatccc aaataggatg actgtataat 300
cacagaacca gcaggaaactc ttagcagttc ccatgatgtg gaccaaaaagc aggaccaact 360
ccaggcaggc attctat 377

```

```

<210> 447
<211> 444
<212> DNA
<213> Homo sapiens

```

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<220>
<223> Genbank Accession No. AA219304

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<220>
<221> unsure
<222> (1)..(444)
<223> n = a or c or g or t

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<400> 447
gcttgggcaa aagtcttcag aacaaaggct gtgagcaggt gttgccctgg ttcctgccat 60
atcgctcccc aaaggtgctg taggagccat catagtgttt gtagttcaac tgtctctggt 120
aaccagtgtt gagatagcca atggcttgga cttgacctct ggagtaagct gctgtgtttc 180
atntagataa tccagtacat agatgttagg agcaaagagg accatattct gctctccaca 240
gccatagggc atctggagaa gattttgtgt gttttgcatg gcagagctac atatgtctcc 300
caaaactgag acagaagctc gggcagattc ttctaccaca tttggtggca gtttcaggga 360
taattcttca gaaacctcan cacctgntgg acnaagtagg gagttgaatg ttgtttcctt 420
ctctagtcct tcaggttcaa ccaa 444

```

```

<210> 448
<211> 312
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA219653

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<400> 448
accaaagaat aaatgtactg tattaacatg aagactaatg acaaatgcac tgcagtagta 60
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tatactcatt ttgttttcca tcacagtagg agcatagcat acaaagtgat tggttcagtg 180
gccatgaagc aagccagggg agagaccaca gaagagaatg tagggcattg agtacagtgg 240
ggatttgcca aggacactgc agagtcctct gggaccctct gggaacaagg ccccaaacct 300
ctcaagttag cc 312

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```

<210> 449
<211> 376
<212> DNA
<213> Homo sapiens

```

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<220>
<223> Genbank Accession No. AA223335

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```

<220>
<221> unsure
<222> (1)..(376)
<223> n = a or c or g or t

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<400> 449
gatcttttcta gaatttaata aacttagtta ttctaagtta tccaactatt tggattccca 60
ggtttcatga ttgcaaaagg caggaatggg atgtgaatgg gcagacagta attcagttct 120
tggtttcttt tcctttgatt tgtttacaan ngannatttg catgttttct ccanggacgn 180
tcgcancnnc ttgctggcca agacatccag gtcacagcag attcggnenc gtgtggnana 240

```

```

accatggat gatgtcatcc acaaaccctc gcactgctgc agggaaaggg ttggcaaact 300
tctcgatgta ctctgcctga gcagcttcca cattctcatg ccctttgaag atgatctcca 360
cagcgccctt tgctcc 376

```

```

<210> 450
<211> 495
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA223902

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<220>
<221> unsure
<222> (1)..(495)
<223> n = a or c or g or t

```

```

<400> 450
gaatgtaaaa agttttataa tttattttct ccttagggca ggtgtacatt acatattagt 60
gctcaaatat atgttcattt ccagaatgaa tttttgcaca gtaatcatat atccatttaa 120
tatgtataaa gtgttcttgg ggatgggggt atattcactc actgtaccat gttttataca 180
ggcttcaaca tgcaaatttg tttatatcat ggcttcaat gatcctccat tctcattcct 240
gtagattaag agttcatatt gtatatctga ccctgaaatg tacaaacttc aactacaac 300
attcttcatg aactatttg ttatgaggaa agttgcagct aaatattagt catgtgactt 360
aaattttgag aaaatggaaa atggtaatag gtataaattt cccngacaca tacagcaaga 420
caaatccagc ccagcctttg gatgatcacc ttaaaaagcc cggagatggn cataacctgg 480
ttggggaaaa tttgg 495

```

```

<210> 451
<211> 511
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA224502

```

```

<220>
<221> unsure
<222> (1)..(511)
<223> n = a or c or g or t

```

```

<400> 451
nncntnggaa agatctgcct cttctccaag aaactcaacc actagtgaca atgaccagcc 60
tcttgactac tccttctcca agagaagaac tgatgaccac cccaatttta cagcccactg 120
aggccctgtc cccagaagat ggagccagca cagcacctca ttgcagttgt tatcaccgtt 180
gtcttcttca ccttgccttc ggtcgtgatc ttgatcttct ttacctgta caagaacaaa 240
aggcagctac gtcacctatg aacctacaga aggtgagccc agtgccatcg tccagatgga 300
agagtgactt tggccaaggg aagccgagaa agaggaatat ttcattctaat gacttccagg 360
cccnaggag cttattcctg gctccatcgc taacacgttg actgcttatt atggggaaaag 420
ttttctctga agccagggag aagcattgat tgatgtgggc aaatccaagc tccagccagg 480
tcgcagtcen aatgccgcac cactgacttc a 511

```

```

<210> 452
<211> 309
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA226925

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```

<400> 452

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tttttttttt ttttttcttt ttttttttca ttttagtcttt ttgtttttatt caaatgtcaa 60  
 aatgtaagtt ccaagataca aattatgttt gatttaaaaa catcgactat gctttgttaa 120  
 caacttccaa agccaaatgt aagttgttgt gactaaaatg cctccccagt acatttctgg 180  
 aggattaacc ttaatatgtt tagcagctag tctgatttcc actctacaaa aaggaaaatg 240  
 atgctataag ggaaagataa tgaacaaagt tataatatgt aagacttcct gggaagaact 300  
 tgaaccatt 309

<210> 453  
 <211> 267  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA226932

<400> 453  
 ttacacagaa cagggtgggt tattatttca atagcaaaga gctgaaaaat gtcgggtccc 60  
 ataaaggagc agaacctgac ccagagcctg cagtacattt ccaccccaca gggtcaggct 120  
 gggccaggca gggcaaagga gcagaaatgg gagtaagaga ctgtgcccac tgagaagctc 180  
 tgctgggtgt gggcagggtg gcattgagat atgatgatgt agtgtaagga ccaggtaggc 240  
 aaaacctgtt cagggtctgt tgagtgt 267

<210> 454  
 <211> 470  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA227145

<400> 454  
 acatagcaaa ttcttttatt tcatattaac agtaaaacat aaaacagaaa cattaaaaca 60  
 gggcataaac agagttccca tggccctgtt tcaaaagcag gggcaagaat acatacaatg 120  
 acaagacatt ttgagttcgt ttaactccaa atcctcaagt ggggaaaaaaa acttagaggt 180  
 agtgacaaag gaatatgggt gggcagagac tgggtggagcc cagaagacta aagcctggat 240  
 ttataaatgt gatgtcctac aacggggact gggaatggca tcagggtttt tttttgtttg 300  
 tttgtttgtt ttgagatgga gtcttgctct gtcaccgagg ctggagtgca gtggcgcgat 360  
 ctgactcac tgcaacctct gctcccagg gttcaagcaa ttctcctgcc tcagcctccc 420  
 aagtagctgg gactacaggc atgcgcacca ctgcaccag ttaatttttg 470

<210> 455  
 <211> 375  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA227452

<400> 455  
 tttttttctg aattcattta tttagaggta aaacacagcc attcaaaatt gtggaataca 60  
 atgtctacac acagaataag gttggggaat taagctgaat tggttatatt cattcacatt 120  
 aataaatatt tttaaagaag aaattgtaga ttttaaaagc ttcattagac actagtgaca 180  
 catacaaata actaaactct catactgctt gattttcagg ttgaaagggt acaataatct 240  
 atatatattca attacatggc agtaaatata aaagcatttt aaacatcttt tgaactgtgt 300  
 agtatactat aagcaggagt ttattctaaa acattccatc attcttctga cctgtttatg 360  
 ggtcatgctg gacac 375

<210> 456  
 <211> 402  
 <212> DNA  
 <213> Homo sapiens



<220>

<223> Genbank Accession No. AA227480

<400> 456

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tttttttgat tctattactt ttattaaata gtgggtttcc acacatggct ttttaaataa 60
tccaggcagg agaagagagg agggcacact tggaactccc ctccccacaa tacgtgatta 120
tttacatttt agtaattgga caatcccggc tcaggaggag gttgcaagaa tctgcaaaaag 180
ttggagggag cgccccagga gaacaaacag caagccttat ttcccctagc ccatccccca 240
aaaaaccatc catcccatcc tagtgtctgg tgggtgtccg tgggtgtccat cttccattcc 300
ttcccaaatt atggaagtaa ggttcttctc accagaataa gagcacttgg gataacagag 360
taggtgtccc tcacccaaaa aaaaaaaaaa aaaagaagaa gc 402
```

<210> 457

<211> 417

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA227541

<400> 457

```
cacattacaa ttttaacagg tttatttgag cattcagcaa ttttatcaat caggcagtgg 60
cagaccgcca gcagttcagg gcgccaccac cgaggaaacc agaggggaca cttacaaggt 120
gtctctggga gcaagacaaa gaaactatct gattgggttag agtggaaagt tcatatttag 180
agggttaactg accataaatc tcttggttaga gggttagtcgg tagtttctga ctggttaagc 240
tgaagtttcc tgctcctagg ttacacacaa cactttcact ctgagttgag tttcagtttg 300
ctgacttagg aacccaaagt gcaggagcca tttcagccta ttggcctccc agcgaatttt 360
ttataacagg tgagggaggg tgcttagtgt gtatcagaat agcataccaa aggaagc 417
```

<210> 458

<211> 343

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA227560

<400> 458

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agcattccat catgtttatt gactcctggg ggacagggtca caaagtcagt ttgtgggcag 60
gccagactgc catagaagga agtcaggggc ctcaaggggt ggcactcttc cttaactcgt 120
aactcttgga ggcaagcttg gaaggtgctt tatttcccgc tatgattata ccaaccctgt 180
ggcctgctcc aggttccagg atcttttaggg ccttcttgcg aacctactgg tgggggggtgc 240
tgcaagccct ccccttgccc gaagtgccaa gccccatgtg ggcaaggcag ttgtctgttg 300
catagtcaag tagttgttgt ctccaacttg caccacagag cag 343
```

<210> 459

<211> 390

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA227901

<400> 459

```
tttttgtcaa gcgaaatagt ttttaattagt aggctgatca taaataaatc tacataaaaag 60
atttaacaga attacaaaga gttttgtgtt cctttgtgga ctcaattcat aatatgcatt 120
agtcaacctc attctctaac tgtgacaaaa agagttgtca tccaacaatg cagcacagtt 180
taagcaattc atatgctata gttacatttt tacattttct ttacaaatgt aacattttatg 240
tacatttatat atagattttt ttctatagtt catgtactga aactctattg tttttacaga 300
gaaaatgttg aattcattta atgaataaga aacattcctt gttaaaaagt aattcatata 360
```

aacaaataac acggtaccaa tgccttttgg

390

<210> 460

<211> 323

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA227926

<400> 460

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atgtaaacta tcaaagtgtt atttaaattt ccatttaaaa tattttcaag taaaatatgt 60
acaaaaatgg ttataaaatg gttgaagcaa ctagaagcgt gacaggtata atacatataa 120
atacaaccaa aattcaattc aatgcaaagt tgaatgacat catattgcac caaaatttat 180
tccatacaaa agcacatgca tcaagagttt ccataagatg aaaacaaaca cacttacttc 240
atagcatctt accacttact tacacaaata gcccataaac accatctggc attgtgattg 300
cagtaccaga actctcccca gag                                     323
```

<210> 461

<211> 333

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA227968

<400> 461

```
ttttttttta acagcttgta ctttattaca tatgcaacct tgccatgcct gccagttaac 60
tcccctcccg ccaatgttat cctcatgata tcagctccct cttggggcca ctgagctgcc 120
cccctttcct tctgggctgg agtagtggtg cccctcaagc aggcaatggg cagggggaga 180
tccacaatta atcgctgcag ttctcttaaa agtattaaca cttaaataag cactcttggg 240
gagttgcaaa ggatattcag gatgggatgc agtgggaggc taccctcat ccaaggtaca 300
ggctggaatg agctacagct ggtctatcgt ggg                                     333
```

<210> 462

<211> 359

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA228119

<400> 462

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aattttttaa atttcacatt taatgtcatg ttaaaaactt ttctaaatca gtcttccagt 60
atcggattct taagtgagaa aaaagaagac aaaagaggaa aattccgtat caattattta 120
gcctcctccc ttccctagaa accaacattt ctttttaaat gcaaggcaca ctccctttct 180
tagaacagag atcaggaaac tttttgtgta attttgtgta aagggcaggt taataaacat 240
tttgggcttt gcgattctca tttggcttct attgcagctg ttaccttag gctggagtag 300
tgggaaagca gccatagaca atctgcattt ataaaaagaa gtccaaattt ggcccttgg 359
```

<210> 463

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA232114

<400> 463

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ttagcatagt catcttagct ttattgagta aggcattcca atctctgcta agattcttct 60
aatgaacgg ctgatttttc tgccaaacta tgcattggtc aaagagaaat caccacctgg 120
```

```

ccacccccatt ctgtccccct acaggacact aagggttctt acagataaag ggacgatgca 180
ttcatgcctg gagaactaat cacacctgat ttctctggga tctaaaataa tgtcaaattt 240
gattcacttt atgtaaagaa aatctttttt ttctgcaaac cccttcagaa caatgctgcc 300
atccatgcaa gatgtgtgta aggccacctc tgtatactaa gaatgggtgcc ccagcagggtg 360
gaaggatggc acacctgctg agcgtgggca cacg                                     394

```

<210> 464

<211> 401

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA232508

<400> 464

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gagggtacat cgggggagag gagaggagag gagagcctct ctgtgccttg gtttccatt 60
tgtgcattca gggcctctgc aggcctcacac agggagtctg aggggatagt gtttaagtga 120
gcactcaggc ttctctctgag gaaaagaaat gaccaaagtg cagactttta ttactgccat 180
tctgtctcct aatgggagca ggagtcaaaa ggaaaaacaa attaaaaggg gctaattgaga 240
aaggaggaga gatgagacag agagtgtgaa gggctatgcg cgtggcatct cataaattct 300
tattgagaat ggcacaggta ttaaaaaagt ttctgggtag tctacgagaa atgtcaatta 360
ttatctctac tacaactact tacatatatc taatgggaaa a                                     401

```

<210> 465

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA232837

<400> 465

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acgacaccta tagatatggc accaacaatca catgcacgca tgccctttca cacacacttt 60
ctaccaatt ctcacctagt gtcacgttcc cccgacctg gcacacgggc caaggtaccc 120
acaggatccc atccccctcc gcacagccct gggccccagc acctcccctc ctccagcttc 180
ctggcctccc agccacttcc tccccccag tgccctggacc cggagtgaga acaggaagcc 240
attcacctcc gctccttgac gtgagtgttt ccaggacccc ctcggggcct gagccggggg 300
tgaggggtcac ctggtgtcgg gaggggagcc actccttctc cccaactcc cagccctgcc 360
tgtagcccggt tgaaatggtg gtggcactta ataaatatta gtaaatacctt aaaaaaaaaa 420
aaaat                                     425

```

<210> 466

<211> 388

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA233126

<400> 466

```

ttgataggat tatgaatgat ttttattttt ttctttatac tttgtttaaa attttctaca 60
aaattgtata ttttttaata attaaggaaa gagaaatctt tttttaaaaa aatacattta 120
tttcaaccat attgtaaact ctgtttaact ccattgccta attccaatgg aaaaaatgta 180
tctatctgta gccttctttg gaatattttc cagatcttct ccccgtcac atttctatag 240
ccactactgc aggaagggtt tatcatcggt tatcccctct tcggtgtgat tatgtcagga 300
gcagtcaatg ctagagaaat ttttgctcct ctaatttaat aataataact aacatacatt 360
aggtacacca agtaccaggc tccttgta                                     388

```

<210> 467

<211> 326

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA233152

<400> 467

```
agacagaaat agaattttat tttcttttaa gcactgtatt ttttatttct tcattatagc 60
acattaccct aatgtaatat tcataagact ggcatagatt tgaaacttac ctatctccca 120
cctagaaatg ggaagagcct aaagatatgg gtcataagaa acaaaaaaag ggctggatta 180
gggcactcct taggggaagg tagactcaca tgggccactg aaataaagga acctgggtgg 240
tcagctaggg ggcaggataa agttttttga catctggagg gggcaagagg atgaaccaat 300
gaagatactt catgtacttt aaaatt                                     326
```

<210> 468

<211> 525

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA233225

<400> 468

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gagcaatacc tttctgtacc cgtggtgaga caagaccag agctactgga aaacaagcac 60
tttggaagat ttgttttggt ttcattggaat aataatatgt cagggtataa tttaacgtga 120
gtttcttatg tgcccttaaa gactgttaga caagaaaagc attcactggc taataatcca 180
taggtcgacc tatgtcctaa gttaggtgta aggtccgatg ccttggccac actcgagctc 240
tctttacatt gttagttgtc aaccttggtc gatggaaatc ccgtaaccac tatttgttgc 300
actgtgccat gaagggcagc agggccaagt gctgctctga ctgaaaactg agttaacaag 360
atgaaatcta aaggatattc acagtgactt caattcagga agaattgctt caaaagagcc 420
cagtggggaa atctgacatc acagaagaca ttaattcagt cactttcaa gagtttgtct 480
acaggcggtt tctctgttat caaggcattt gaaataggat tttac                                     525
```

<210> 469

<211> 188

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA233290

<400> 469

```
atatgcattt tacttccctt taatcaaaaa ataaataagt acactccaca gggacttttt 60
ttttttaatg aggaaaaaag gtgaaagaac aaaataaaac aaacaaaacc aaaacctaca 120
gggactcttc atttcaggac tgcaaggaat caccagccag gctgaggagc acggacagcc 180
agcccgac                                     188
```

<210> 470

<211> 387

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA233347

<400> 470

```
gctgcaaaca tgcagagatt tcattttattt tgtttggcac atgggaacta ctttttgttc 60
ctattatctg tgtgtttcac tttgctgtgc agattttcat ccaatttttt tcaggggagg 120
gcataacatc ttgtagggct gtatctatcc aattctgcct gtaacaaaca cccaaacatc 180
ctaaaatatc aattataaga cagacaagtg taatgtaaaa ctctggagaa catcaaagaa 240
aatggccatc gcactgtctc tttaatgttt tcctacgata tattaaaata aaaacaaagt 300
ttcagttctc tcacaagaag taattttatat tctctgaatt ttttcagcca caacaactgg 360
```

attctctttt ctgatttttg ctgcagc

387

<210> 471

<211> 352

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA233369

<400> 471

```
tgcaattgag acttagttta ttccatgttt cccttgaagt tcccttgaag gcgtgtgctg 60
tcagttacta atagagctgt gtagaaaact cagtgcacaa gtgtcatttt gacctggagg 120
gctgcagggg ctgaaagaat ccagcattcc ccaaactgga gcgaagagca ccatgagacc 180
actgggggtt actggctcaa tggcagccca cggatgacaa tgcacaaacc tcatttgtgt 240
gtgttcacat tttagacaaag aatagcacca agaacaacct ttaggtaaac agtctcctca 300
gcacattttt tgctccctga attgctgtgg gcagcagttt tcacttcagt tt 352
```

<210> 472

<211> 421

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA233763

<400> 472

```
caaaagggtg tttactatth ggccaaacaa tattttttta ttgtcagtca taaagtgaag 60
tacatactaa aatatatatt aaatatctac caaatctgca ttgctgctac atgaaaacat 120
tttttgggtc gttggaaaat gtaattcctg agatcattgt tgggctttgt caatcatttt 180
cctcaccatc aaatcacctt aagtgacttg ggagtgtgaa tctaggatgt tcaatttttag 240
accaattttt tctatcttct aaatgagtaa acaggctctg tcttttataa aaggtagaaa 300
aataaccatg gtgtgctaatt ttttttcaag gtataccata tggaaaagta taggctgaac 360
acaaaggaag tcttttctga atggctctca atcacacata aggaacatat gttttccagt 420
t 421
```

<210> 473

<211> 539

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA233797

<400> 473

```
gggttaaaca gtatttattg aatgtaaagt accccagccc catgggagag aaaattccaa 60
gaacggggaa taatacagat taaataccca cctgtgcatt cacactctca cacacacaca 120
cacatgccac gcacatatcc aagctccaac ggtgacaaat caaacacctg tttccccag 180
cctgagggac agctggtagg aggtggttca gaggtggggc tccaggatgg gctctaatag 240
cagcagcctt gtctctccct gccccctgcc ctgccccagg ggtcaaaggg agctgggcgt 300
ggcgcatagg aggttggcgg caactcttcc cccactcctg ccgcagaccg cttcttgggc 360
tcttgatctc aattcatagg cctccttcaa tgggagcgtt gtggtccctc cttattgggc 420
ccacgggtca cacagcccgt agggctcttat tgggcctgta gcatgtgggc tgcgtctttg 480
gctgctcgct tgccgatgag gtggctgtac ttgtccttgt agtcgtggc agggctcac 539
```

<210> 474

<211> 459

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA233837

<400> 474

```
tttttttttca cacagaatgg aataaaaactt tattcttttt aaattccaca cataaacgag 60
atgctgaaaa agcccttgcc atctctgaca gaaaagcaga gcagctctgt ttcataaacg 120
acagcacaat taaagctaaa ataataataa aataattcga aaaaatccct tttactgtac 180
actctcaaag caagaaagag aaacaacagt tttgttttgt ttttttctgc tagccagaaa 240
atgtgtttct attcatttgg gctttgaagt tcagtgtacc ccacatctgt gtgtctgtgt 300
gtgtatgcgt ggctatgtgc gtgtaatcta tgcagtgtgg aagcccctaa tcttttcac 360
tagtttgcct aatcattaag ctacttaacc aattataata ctattatgtc acattgaaca 420
actttacata attgcttctt tgaaatacta gaaacattg 459
```

<210> 475

<211> 174

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA233886

<400> 475

```
ctgggggttct caagatttat tcaggatcgt gttaacggag gcggtgggag gataggggtcc 60
ctgacgtgcc ggggacacac acagagaacc ctccccgcc cgcgaagtag gggggaggcg 120
tcggtttttc ttaaaaatat aaatgtattt atctgcatta tcacgtccct gggg 174
```

<210> 476

<211> 382

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA233897

<400> 476

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tttttttttta ggacaacggt tggttggttt tatttttaaaa agtcaccata ttaataaaaa 60
tgctacaaaaa cccagaataa atatcttcaa gttacaaaag caaacacagg ctagaaaagt 120
tggctgtaaa aaggcaacag agaggacaga cccaaaagat aaatgtctgc ttgcttggtt 180
ggggctgggt ctcaaggagg gacagttggt ggccctctcc cccgaccatg ccttagaagc 240
atctccgcca gtccagtga tccaggcctgg gtgataacgg aaaaagttcc atgcctgcag 300
gcatcgttct gccatcactc accgagcttc ctggtctgtg ttccccctcc cagcctcact 360
gttaccgcta aaaatgagga gc 382
```

<210> 477

<211> 255

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA233959

<400> 477

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taggttcaag ttactcaaca attttattta cccattctac acacacgcac aaaaaaacac 60
atttcaaata cagttatgca cacttttaaat ggatctgagt ggcatacttt gttatcagtg 120
tcacccgatt aaatcagaat gttgctaaag acttatgttc ctatttcaac agagcagtg 180
ctaggaaatc tacagtagaa ctctcttctc aggttccca atctgaccca ttcccattca 240
accagaggt gctca 255
```

<210> 478

<211> 403

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA234095

<400> 478

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cttattctac atgcctgaaa actgggcccc cacacagggg cacacgtaca cgcacacaaa 180
cgcagatacg gacacacaga tatgcagacc gaaatgctga caccatcgct ctctagattg 240
gattagctct catttaaggc ttcttaggtg ccgcagtgcc cctaataatta ccaggattga 300
aaacagactt ttaggaagga gcagcattac ttcgaaaagt agtcattctgc tcttgctctc 360
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<210> 479

<211> 412

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA234096

<400> 479

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gtcaggggggc tgtgtggacg agctcaattt cgatgcatct cgggagaccc gggcaagagg 180
ccgcttggat tccgggaggc aacgccccac agtcaggatc ccttgctcgc cgcccccaac 240
cggtcaggat ccttggctcg cgtccccaac cggttccttg tctcacctgg gtcttgcagg 300
cgtccactgg aggaagccgg atggctgggc ttggtctttc aggaaggctg gctggcaccg 360
ggcttccttc tggctccagg gggaaccgta cagaacgggg agaaaggggg aa 412
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<210> 480

<211> 395

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA234346

<400> 480

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tccataaata caaaattaag cctctgatac tatactcaca cactcaaagg atgaacaaac 120
ttcaaaaata acatattttt ctttgacaaa atcagtaaag tggcaagctt gtcaaagaat 180
catttcagtc taacatttta cttagtggat aaatatttgt caacaatctg taaatagtat 240
aatgctttt ctcaaaatgc tacgtgaaag aagccaggca caatagatta cacattgcat 300
gattccattt atatgaaatt ctcaaacagc agaactaatg atagaaagca aaccagtgtt 360
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<210> 481

<211> 387

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA234362

<400> 481

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ctacccagaa caattacagc agaaaaaata ggcacctcca aagtcttccc aagaatgatg 120
actttctgaa atgacacact gtacaaactg gacaaatgag acgactgact gtgacagggg 180
ccggggagct cttcaagggg ccgttttctt caagtctcgg atctgtttta tcaagtagtt 240
cttctcgtca gcgaactgct catcatccgt cctttctttt tggaagctgc tcagaaactc 300
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aatgagtttg ggctgatttt ttaacaggat ctccacaata ggctgtgttt tgtgaggact 360  
ggccacaaaac accttaaaaa catgaaa 387

<210> 482  
<211> 394  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA234365

<400> 482  
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gaacaaaaca gcaccaagaa cctatgtaaa atttcatcat acaatttcta tgcaagctgc 120  
ttgattacag aaaactgttc aaactgttca tcaaaaactg agtgggattt tccattgata 180  
tttcagatat tcaaatcaac ccatattctg agtatcaatc tgaattgcac aggttaagat 240  
gtgaaccctt cacatagtgt tgaagatgtg ttgaaatctg tacttgaatt ggcattgttt 300  
tcctcagagt taggtgcct tcatgagaaa tatcttctat ccctgagaga tcagctacat 360  
caagatggct catcagctaa atcacgttgg gtca 394

<210> 483  
<211> 397  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA234527

<400> 483  
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caggttagaa gcaccaaccc attttcacac agatgattga ttaatgttta gagtttattt 120  
gggaaagcta cgaactagct gcccatctta aacagctgta caataacttg aataaaaaat 180  
tatgtaagaa aaaatgagca agcgtagtct actaaatata aaggaaattg ttaaaaccag 240  
acagtaatag ctataaaagg cacaacttcc cttttctgat atacacttgt aaactttttt 300  
tcaggtttcc atgcataaat caaaaatgct atcctaacta tacagggggg ggatacacca 360  
acagaaagtc tagaaaattt catccagcca actgtga 397

<210> 484  
<211> 416  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA234530

<400> 484  
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gttaacacaa tgtgtgctgc tttcatgagg aggaaagagg caagatctta gaggaatcca 180  
ggatactggc caccaggaat cacaggatct cacaatacaa tccacttctt taaaagccac 240  
aaaataagct aggggaagaaa acccaaaaca aagaagatat gacatccaag tctccacca 300  
aagtatacaa atggcaagat ttggagatga tctgtcttct cacatgagga caaataacag 360  
aggagccaca cccaagtgcc actgtggcca caagcctcat ggggtggcgtg tgaggt 416

<210> 485  
<211> 389  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA234561



<400> 485  
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tttgtacaca cataaataat tatagatgtg tacatatgca tggattaata tacatacata 180  
tttctcaact ctgtacaaa cagtgcacac ccagtagcaa caagcacatc taattgccca 240  
gatcttggtt tctaagtatg attctccaac aaaaggaacc agggctcttt ggagcagggg 300  
ttgattctag ggattctatt gttggggcag ggaatatcca agatgaacct ggagcatctt 360  
gtagtgccag aaagtaagaa gtgctcaaa 389

<210> 486  
<211> 103  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA234634

<400> 486  
cagctcacgc gggacctggc cggcctcccg agtctcttca agcagctgcc cagcccggcc 60  
ttcctgcccg ccgcccggac agcagactgc cggtaacgcg cgg 103

<210> 487  
<211> 558  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA234687

<400> 487  
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caagtgaaca cactctatgt caactctcct tttatccagc tgagatttat ggtaacttat 120  
ttaattaatg gtcctgtctg atgcacacct gatggcaagc ttcaaactctg atttggtatc 180  
accgaggaaa ccttgccccc atcactcagc attgcactta gatacagaat gagttagata 240  
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cataaaaattg atgatatctt agggtcagaa ttgccctttt ttttttattt tgaatgggaa 360  
gttctcacta aaacaatcct gagatttctt aatttcattg ttctttaaat attataaaca 420  
cagagtcaac atagaattaa attgtatttg ttaaaatata cacattggag gacaagagca 480  
gatgactact tttcgaagta atgctgctcc ttcctaaaag tctgttttca atcctggtaa 540  
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<210> 488  
<211> 263  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA234706

<400> 488  
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cagttctgga ctgacaactt tttcgtgatt cagagattta cctaagagac agtttagcat 180  
tttacttctc aacagccaat gcagacaggc agtctggagg tttttcacia tgcagtcac 240  
tcctcccaa ctgctataga gat 263

<210> 489  
<211> 427  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA234717

<400> 489

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agcctattgt ataattaact tctcgtcttt tgttccttat gaatttacat atttaattat 120
ctttccattt aatttcccat gggttttgcta cgttgactaa actctgtaat gagaaagtct 180
tttaatttaa tagactttgc aggtcatgtg taaccagctt tggaaatcat tttaggatta 240
ctgagtgtg tttcataatg ctgtatat ttcttgccag gatttgaggt acctagggtta 300
tttgtccacc agaacaatgg ctgtaaagga gaaaattgag cagtggtcag aagctgctga 360
gaagatgcgg taaaacaggt tacataaaaa acaatgctgg tttgaaataa cctatgcgct 420
tttgtca 427
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<210> 490

<211> 429

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA234817

<400> 490

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tttttatcct tcctgtcaac cagcaatgta tttttatggt actaaaacca gtaacgtcat 120
aattgttgag ggcaagcttc attgttgata gtgcaaagtg tcgctgttgt gatgtgtgtt 180
tattttattc aagtttgaat attgacaagt gtaacttaag ctggtgactg acacctattg 240
atctgctgtg tgcaaatgat agtactat tttagaaaaac tcttaagtaa attttaaaaa 300
tatttgaata caaaatatct gagcaatttt gaaactcaaaa gtttttcatt gttttaagga 360
ttgccacagg actctttaat gggtttttaat ggacatacat gcctaataatt tattggtgtg 420
ttaaaatag 429
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<210> 491

<211> 185

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA234831

<400> 491

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agagaaccat atattttaaac aacgaatagc agggtagctt acttaggtga cacagttcat 120
tgaaaactta atactgaaaa ataccgcaat ctggacagca agacaaatat caacaaatgt 180
gtttt 185
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<210> 492

<211> 456

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA234916

<400> 492

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ctgcagcctc gaattcctag gatcaagcaa tcctcctgcc taagtctcct gagtaactag 120
gaccataagt gtacaccacc atgactggct aattttttac ttttccgtag agatggagtc 180
ttgtgatatt gccagcctg gtcttgaact tttggcctcc gacaaccttc ccatcatggc 240
ttcccaaagc attgggacta cagacatgga ctagctccat ttcttgatgt gaggccataa 300
gcagaaccaa gcagactcaa ggcccttggt tgcttgagca caattagcta ttaataacat 360
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ccaggaaaaa gctcagtcct ctgagtcagg aaaacctggg ctggagtcct ggctacactg 420  
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<210> 493

<211> 385

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA235233

<400> 493

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aaatgaaaaa catttacact gactgtacga ctagtgtgct aagccattac aatagtttac 120  
tgacataact ggcaagagta acttggaata taacttaatc cagcagaaca aaaacatcct 180  
cagaaaaaca tcctcagtag tactgaatat atctctctca tatatctatc tatctatcta 240  
tctatatata tatatatata tagctttgca caatcaggga gcaaggcacc ataatgaaat 300  
gagcatacat ttatgcagaa gaaaataata gcaacaaagc tgcgagaaaa attgtaactt 360  
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<210> 494

<211> 366

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA235288

<400> 494

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ccttttatat cctatttttag gcaaaatgat aaaacccaga aaataacagg aatgtactag 180  
tcctaaaaac tggacctttt ataaatgaaa cagatccgat cacctatacc ttctctcaaa 240  
ttccaaaataa tgaggcttac tgacctgtac tctcagaatc aacttaaata catttttagct 300  
tgatttggat gaaatatgta ctttcagttg ttgacaatcc aggtagaaca agtacataaa 360  
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<210> 495

<211> 359

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA235289

<400> 495

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aagtataaaa gacactttta taatttaaaa aaaaaaagtt tttgatacac tatattctgc 120  
agtatagatt cttagtagat gcaattatct ctgacttgtg ccaaattctt aggaacaata 180  
aacacacatg cacacacaaa cacacactct tctctcagtt acacacgtaa gaccagaggt 240  
tacttgcaca agactgtgaa accaacaata tgtgggggtg tgtatagatc gcaggctcag 300  
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<210> 496

<211> 139

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA235310

<400> 496  
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gctggcctta gctttaggag aaggaactcc aagagcagta gtgatctctg agatcacctt 120  
gttcaccctc ctcggggca 139

<210> 497  
<211> 230  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA235448

<400> 497  
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ggttaataaa gattttaaat atttcttggt ttacttttgt aattatatac acaacaaatg 180  
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<210> 498  
<211> 183  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA235507

<400> 498  
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caattgaact agcagctttg cgaacttttc cgtacattcc tgccagatta gtttctgtgt 180  
cat 183

<210> 499  
<211> 382  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA235618

<400> 499  
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agggaaaaat ctttcagtat ttccatgaca cattctgttt acaataattc ataaactggg 120  
aaaattcatt ctaagaaaac ttggcaaatg aaactttgga ctggaattgg catttctttc 180  
tctgcttttc gttcccacca tttctttctt ttatactaca gtattcatat tttaaaatgt 240  
tttaaattat ttcagaacat taagatagca gttacatttt ttaatagtta tattatttta 300  
aatgactct ttaaaataaa gttttagaga aactatatta tggatagggc tgatttacat 360  
tttcaaattt tctaaaatca gc 382

<210> 500  
<211> 412  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA235707

<400> 500  
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tagtctttct	gagttaggtc	ctgattcagt	actgaggtct	agtaattaag	aggccccggg	180
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tggttgcccg	atgccactga	atccgggtta	gaggacgagg	aagaggaaga	cgaggaggaa	300
gaggagacgg	aatttccttc	cgagaccgcg	tttctcttgc	gcttgggaat	gctgctgtct	360
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<210> 501  
 <211> 362  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA235765

<400> 501	tttaaggatt	tccaactagg	ttttatttta	gtttccaata	ttatgagcaa	tgatacagga	60
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	cttgcgctcc	agcaaataga	cataaaaaaca	acaatgtcag	cagcattaaa	gtgcttttgg	180
	ccatacttct	ttcagaaaagg	gtctctccct	cagtgggtata	aatttaattt	tacgtattga	240
	agaagctcaa	aatttcattc	attccccagg	ggctacattg	aaaaaaaaatt	catgtttacg	300
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	tt						362

<210> 502  
 <211> 401  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA235811

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	gtgatattaaa	ataatgatgt	gtataattat	tgacatagaa	agaaatttag	ccatttatta	180
	aatgaaaaca	agtatgtttg	taaaacggta	tccagaagac	aaaggaccca	gtttcttcaa	240
	cataacagtg	gcatgtgaac	caaaatgtag	ggggaactat	aataaagagg	cttaagaaag	300
	aagaaaaaat	aaaaaataaa	acaggcttaa	tatatcaacc	gcatgcaata	tgtttagatc	360
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<210> 503  
 <211> 315  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA235853

<400> 503	ctcactgctt	ttgaggcttt	ttcggttgcaa	gcaagggctt	ttgcattgag	ggaaaaggaa	60
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	gacaagtcct	cctctcggca	cgcttgggtc	cccaggactg	ctgaagcaca	agacccgagg	180
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	cctcgccgcc	tcctg					315

<210> 504  
 <211> 401  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA235868

<400> 504

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acaaaacaaa aatatttttaa taccttttaa atccaaattt tcctttaaaa tcattcatga 60
aaaagattct caagtcagaa ttaacacctc aattagtcaa gcatcaggaa gctacattac 120
agctattaat atacaaagat acatcttttc accagtcttt ccttctgatg tctctgttcc 180
agaatcatat agactctcat ttctctacac tccccattcc atcatttctt cagatcatga 240
aaactgaatt tgctgaacac cagaaatctg ttgatatgat gttgtgtaaa ccataacatt 300
ttgttggtga cgtctgtgg ttattaagcc agctggtaac tggtagtaa atgcctctc 360
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<210> 505

<211> 404

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA235873

<400> 505

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acataaaaaa tgaaattgag aactgattta atactaaagt tctgaataaa ggtgtgcact 180
ttatgattga ttctatcttt ttgcacaagt tggatactcc agtttcccat cccaacatgt 240
tgttcgcaat gtgtgagaac gtgatgaaag acgatatccc cgtttacaca caaattcaac 300
tgattcacct gttctcgaat aaagcttctg tttggctgtc caccttaatg ctatgttata 360
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<210> 506

<211> 271

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA236037

<400> 506

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cccgccacc gctcaggag cttgcaggtc tcctccagga gggcaagtgg cttcggcttc 180
tggctcggca taagccttcg acagattaat aagttatctc cttcagccca agctcatttc 240
ctcctttggt tgcccagcaa aggcagtaat g 271
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<210> 507

<211> 364

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA236150

<400> 507

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ttgtaggaat ataactataa taagtggaaa agatacatta aaaccatcag tgtgttacac 180
ttgttcaaaa cagaactcat aaggcagacc aaaactgatg caagttaagg aaaatgggtc 240
gttttttagga agcatgtcca gacagacacc acaaagaaat gccaacagag actatgtggt 300
ccccctctgt tactagtaat gtgtcaaagg tggagtgtgact gggttaacag cctaagcttt 360
ctcc 364
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<210> 508  
 <211> 334  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA236230

<400> 508  
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 aagttgatca tagatttgta aaccaaaagg taatttctca agtatttgga aataagaaaa 120  
 agcctcccta ccaccaacct tttggtcata tttctcattc tcttacaatc atcctaatac 180  
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 gtgggtgggt ttcttcagaa aagccccaga ggcagggacc agtgagctcc aaggttagaa 180  
 gttggactgg aaggcttcag tcacatgctg ctttcaagct ttcaggctgg gcaacaagga 240  
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<220>  
 <223> Genbank Accession No. AA236401

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 gacaggaggc attggtaggg gattagatgt agcagcagtc aggctgggat caagatgcct 180  
 gggggacatc ttgatcttgg cttttcaggg caagtgggag gctagaaaagg tggctaggaa 240  
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 <212> DNA  
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<220>  
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 tttttcttct ctccaacata attatgttaa tatggctctc attttttctt tgggtgcagaa 180

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ccgttggtgca gtgggggtcta ccatgcaatt ttctttcagc actgaccctt ttttaaggaa 240
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gggaaagaat gaattaattt ctatttctta aaacatttcc ctgagccagt aaacagtagt 360
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<210> 512
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<211> 353
<212> DNA
<213> Homo sapiens

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<220>
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atggtaaaca gtccctcttt tttttaaaaa aaaatcagta cttaaaacca aaggaaggct 180
tatatgtaca gctaattcag aaagggaaca atgacaccta aagacataga taaatgcttc 240
attttaatcc aataaatgtc ctacctactg gatcttaata atgatgtttt caatatgcc 300
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<210> 514
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<212> DNA
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<220>
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ttccgccgca gccctggcca tactgtgcca cacgttgga gaactgtggg atgtagaatg 240
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gtgtaacggc tgcttaagtt cctctggcac atgggaagta ctaaaagaag acagctcagc 360
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<212> DNA
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<220>

<223> Genbank Accession No. AA236672

<400> 515

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ctctcctgcg agccggggaa ggagaggggc a 151
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<211> 319

<212> DNA

<213> Homo sapiens

<220>

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attaagaaaa ggccgccccg aagctctggg aaagtttggg acacacgggg ttcccttggt 180
ggggagaaaa gccgccaagc cacacacggt cactggattg gtgtgagtgg gttccaagcg 240
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aaggaatgac acagggagc 319
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<211> 531

<212> DNA

<213> Homo sapiens

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<400> 517

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tggcaggcac tggagtaggt gactccatca tccccacaga gatattgctc agaggaagca 480
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<212> DNA

<213> Homo sapiens

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<400> 518

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 taaaattttt gagattagag gtactatgaa atgcatcttt ccagatttag agagggtgag 180  
 agaacacatg ccatctacat attactgata aggagcaaaa accatagacc taagcttgac 240  
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 ttgtatctat aatacaaat ttagtcaaca aactcctata cctgtgatgg ttttaatggt 360  
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 <212> DNA  
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<220>  
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 aaagcaaaaca ttttcttcca gacaaaggaa tatcaaaaaca cttcggcaca agtacaacaa 180  
 aggcattgga agatcatgat aatgttttac atcacatttt acagcatttt attttaatac 240  
 gtattttagt aaaacaagga tgctgagttc ttgaacactg cagtcacaaa ctcaaactaa 300  
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 tgagtcaccc cgctttcctc ggacctcagc tgggtgggact tagtggtggt ccaaactgcg 180  
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 ccagggtggt ggctcagggc agagaatcac ccaccagaca gcgtgggtca acgggagcaa 300  
 ggcgcgcagg gacaggtcc acaaccacac caagcaccgc agtgtggcac cgggaccaga 360  
 tgcaagtgct gttcctgcc tggggccaat acccaatact atccctcagt cattcttcct 420  
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 <212> DNA  
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<220>  
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 gagtgacgac cagggcctac tagctctact aaatttcagg gtggcgaaat cctggatgtt 420  
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<220>  
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 gaaagtattt cttctgtctt catgaaaaat taaaaagata gaaaatcttg aagtattttg 180  
 ctaccttaaa acaactaccc accctacatt tgtactaaaa taggcttttg cttgttttaa 240  
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<220>  
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gaagctgagt gggaaggggg cggcggagga gatgaagggt gcgtgtggct gtggcctacg 300
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<212> DNA

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<212> DNA

<213> Homo sapiens

<220>

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<212> DNA

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<212> DNA

<213> Homo sapiens

<220>

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 aacctcctct gttggcaggg ccccgagcgc acacggccac agcgctcctt cctctcaagg 420  
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<210> 537

Station	Time	Lat	Long	Alt	Temp	Humid	Wind	Dir	Speed	Clouds	Vis	Pressure	Remarks
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2	0100	34 00 N	118 00 W	10	54.0	85	10	000	0.0	000	10	1010.0	Clear
3	0200	34 00 N	118 00 W	10	53.0	85	10	000	0.0	000	10	1010.0	Clear
4	0300	34 00 N	118 00 W	10	52.0	85	10	000	0.0	000	10	1010.0	Clear
5	0400	34 00 N	118 00 W	10	51.0	85	10	000	0.0	000	10	1010.0	Clear
6	0500	34 00 N	118 00 W	10	50.0	85	10	000	0.0	000	10	1010.0	Clear
7	0600	34 00 N	118 00 W	10	49.0	85	10	000	0.0	000	10	1010.0	Clear
8	0700	34 00 N	118 00 W	10	48.0	85	10	000	0.0	000	10	1010.0	Clear
9	0800	34 00 N	118 00 W	10	47.0	85	10	000	0.0	000	10	1010.0	Clear
10	0900	34 00 N	118 00 W	10	46.0	85	10	000	0.0	000	10	1010.0	Clear
11	1000	34 00 N	118 00 W	10	45.0	85	10	000	0.0	000	10	1010.0	Clear
12	1100	34 00 N	118 00 W	10	44.0	85	10	000	0.0	000	10	1010.0	Clear
13	1200	34 00 N	118 00 W	10	43.0	85	10	000	0.0	000	10	1010.0	Clear
14	1300	34 00 N	118 00 W	10	42.0	85	10	000	0.0	000	10	1010.0	Clear
15	1400	34 00 N	118 00 W	10	41.0	85	10	000	0.0	000	10	1010.0	Clear
16	1500	34 00 N	118 00 W	10	40.0	85	10	000	0.0	000	10	1010.0	Clear
17	1600	34 00 N	118 00 W	10	39.0	85	10	000	0.0	000	10	1010.0	Clear
18	1700	34 00 N	118 00 W	10	38.0	85	10	000	0.0	000	10	1010.0	Clear
19	1800	34 00 N	118 00 W	10	37.0	85	10	000	0.0	000	10	1010.0	Clear
20	1900	34 00 N	118 00 W	10	36.0	85	10	000	0.0	000	10	1010.0	Clear
21	2000	34 00 N	118 00 W	10	35.0	85	10	000	0.0	000	10	1010.0	Clear
22	2100	34 00 N	118 00 W	10	34.0	85	10	000	0.0	000	10	1010.0	Clear
23	2200	34 00 N	118 00 W	10	33.0	85	10	000	0.0	000	10	1010.0	Clear
24	2300	34 00 N	118 00 W	10	32.0	85	10	000	0.0	000	10	1010.0	Clear

<223> Genbank Accession No. AA250775

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aacatcagag	ctgaattcct	tctaaaatac	aacaacaaca	acaacaacaa	aataagtaca	180
cttggtacct	tggaaaaatgc	tgaaatgcta	tcatgaatgc	tggtatatatt	gttatgagcc	240
aacagaaaaa	tacctttta	ataaactata	acttactgat	gtgattgttc	ttcctatgta	300
atctatacat	aatcaaagtg	agtgatttct	catgttttagc	aaattgttct	ttaggtaatg	360
aaaaacagta	ttctcattag	aaaaacacaa	aaatccaaaa	gatttatcgc	agcaaacgtt	420
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<213> Homo sapiens

<223> Genbank Accession No. AA250958

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tcctctccac	tgtgctcctc	aggcaataga	tgattggcta	tttctttacc	tctgtttttt	180
gcctaattag	catttttagtg	agctctctga	ttggttgggt	gtgagctaaag	ttgcaagccc	240
cgtgtttaaa	ggtggatgcg	gtcaccttcc	cagctaggtt	tagggattct	taatcggcct	300
aggaaatcca	tctagtccctg	tctctcagtc	ccctctctca	acaggaaaac	ccaagtgctg	360
ttggtgaggt	tggctgatga	ccactctaac	tgcttctctgc	tgaactgggg		410

<213> Homo sapiens

<223> Genbank Accession No. AA251114

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agctggcacc	tcaggccct	ttccttctga	aaggagggct	gtgtctctct	cacattcaca	180
catacacaga	cacatgcatg	tgtgcacact	catggcacat	gggaacctcag	gggtagcctg	240
tttgccgatc	cccccaagag	gtaccaggag	gcagaccgct	agaaggagat	aagaggcacc	300
ctggtctcct	ccaacccaag	gaggaagaaa	gctcaacccc	tctaggatag	ggactgtctt	360
cagtcaatgg	agcgttgact	tagggggcgt	ttttgaaggt	ttttttcct	cctttttgca	420
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<213> Homo sapiens

<223> Genbank Accession No. AA251230

<400> 540

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ccagcggact tgggggcagc tcccagtcctg ctgatcagta ccctctgtcc cagggctcca 120
cctggatggt cctgaggccc aaaccctgcc tctcagctgc ctccctgccct acaaaactggt 180
gactgctctc atccagcttc tgatctgttt catttaagat gattaaaata ctccccctccc 240
caattcgctt aaaaataatt ttcaaagatt aaaaatttca tttgtgtgtg tgtgtttttt 300
taaataagaa ctttaaagt gggatatctc cttcttcccc taggtcca 348

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<210> 541

<211> 256

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA251299

<400> 541

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ttagacgcag gtgcaggcct ccattccatc tattggctgg ctctcgactg ccgagactgg 120
cctgccaaac tagtgtttca ggagggcacg cgtctgcggc tgaaccgcgg aagggccggt 180
gaggaaccgg gcctcggcga gatggccctg acgcgcccga cactgctgcc gctgctgctg 240
ctactactgc cgctcc 256

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<210> 542

<211> 243

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA251428

<400> 542

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agcttctcca ggcttttcca agaatcaggg acactgtagc ctggttgtct cagtgtatga 180
cagacacgga ggaagcacat ctttagctga tacttaaaca gagaccctga gcgcacatac 240
acc 243

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<210> 543

<211> 436

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA251766

<400> 543

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gagaaaaatg tcagaagcac aacatataag gttaagaatt taaaagcatc ttacattctg 120
ccctaattggc agcataatta atagcaacaa acggccgtct tgctgcctgc cgcaccggag 180
gtatttttgc agacctgacg agcaaatttt gtgaaatatg tagtatgaag gaagaaagct 240
tggcgggtct tctactgcaga ctttgactc ccagtgttcc ggactggcat tccctgcatg 300
gcctggcggg acacgtgact tctaacacga gggctcctctg tagttgggct aggagataac 360
ttctcttctt ctgactgggt gggcattttc aacctcccaa atttttccca taaagccaac 420
aaattgcaca tctctt 436

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<210> 544

<211> 372

<212> DNA

<213> Homo sapiens

<220>



<223> Genbank Accession No. AA251769

<400> 544

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tgtcccagta atgccaactt ggaggtgaag ggctgactgg ggcagctgag aagtgggacc 180
ttctgttttg caggcttcct ctcccttgcc tggatcatgg tttctggtga gaagagtgtt 240
cctggccttg ctggaggttc ccatggcccc gaactaacag tgtttttctg aaatttcgac 300
ctgctccgtt tgagagagta gaattccctc atcaagtcct ccacctccca ctgctcttcc 360
ttcagcctct gg                                     372
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<210> 545

<211> 350

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA251776

<400> 545

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cacctggggcc agcaaacagt gtgaaactga caaaactcca aggggggaaac atctagcaaa 120
taaatacaaaa agccaaagat cattgctggg gatattagca tactagaaac ctttaatatg 180
ctgctactat gatttgtttt aaattattgt ttagtcatat attaaagagc cagctgatgc 240
tcttacagtt aaaaaaactg tgtagccaca ttactgtttt caacgtcctg tgtggaaagt 300
tgctatcact gtacaatttt gcttgagcct ttatttttaca acagggcttt 350
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<210> 546

<211> 343

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA251792

<400> 546

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aaagcttttc atcaagaata aacacaaaat ctaaacaatt ctgcaatcat gcattttaac 120
agaaagtaca aatatgaata cattataatt tgtaactgca tttaaaaatt aaaatatttc 180
tctccaaaac caaaacacca cacaatcttt atctgttctc atcttggttac cttagaaaca 240
tttgtcatat gctatcagga aaatataggc aagacttact aatcagttat tcatgatcaa 300
agaaacatga ttctccttaa ctgtgacttt ttgaatcatt tat                                     343
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<210> 547

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA251837

<400> 547

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tagggctact taaggcggtt ttctgtggac agcggacaca gcaccattaa ggtagctta 120
gatttgaaca aaccatgagc agacagctaa ctacatgtta tgtttctctt agtagtttta 180
gggtctgccc agtaatcaag aaattttact tctccagaat acatgaacat gggaaccaa 240
gaaatgtaaa tatttcgaaa aagcactaca caataaaatg agacgcaatc cttatgcagg 300
tcaagatgtt ctccacatct acaatgtgca ttaacaaaat taatgcagat aagaccttca 360
ctccaacccc aaagatctta catgggttaat actattttcc aaaatcagca gaacaagctg 420
cagttac                                     427
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<210> 548  
<211> 272  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA251845

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tctgtgatta gtaggtgatt gatagaaaga aaaggaaggg ctggaaaatc ctcgggcatg 180  
ggcagttacc tcttcatgcc tcctcatggg tcccatgtgc aaactcagag ggagttagta 240  
tgaaacatgc ggtacaaatt taggctgtgt gt 272

<210> 549  
<211> 376  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA251909

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ggtgatcata agagaacatt ttacaaatta caaatgggaa aagtacaggg aaaagtagag 120  
acaaatgggt taaataacaa ggtaaccatt tgtaatgagt ctgttttagaa taaaatagtt 180  
cttcacaaaa gttagacaag gccatgagta agtatatcac tgtataaaaa atatcagtga 240  
cgtcaaaaata tacctgtacc aaaaagtaga acagcaatgg tagtgcattt aaatgtgtcc 300  
taaatttaaat tacagcacat acagtttcag tgttccacaa tacaaccatt gctctgaggc 360  
agcaatctgt gagact 376

<210> 550  
<211> 397  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA252060

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tatgaaacca tgccattatc tcttaggaaa caaaagcatt caaaattaat ttggtattaa 180  
agttcaagat tcagactaac ctcaaagtac ggcatgtgca gtgtttaagt gcaagaagta 240  
ttttcattcc aattatttta cagagatgct ggagtgcagt gtgcaatttg aaatattcaa 300  
atcctttaag gtttctgaac taagtgttta aatgaaaact gaaatgctgc atagtttcag 360  
tggttttcaa tttcctgttt gatctcagaa atatatg 397

<210> 551  
<211> 362  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA252147

<400> 551  
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tacaatacca ttacagagaa cctgttttta tatcattcac agaaatagcc agttttgctc 120  
cagtgtgata gatgaggaga gaaacgaatt tcaatgtcat ctgtgttgag tctcgctgac 180

aactagaacc tcctttggcg tcagacgcac accaatgcta acattagccc tgccccaggc 240  
 agttaggaat ttgtgctcca gtccttgggt tcacacttgc accctgtttg acataaatac 300  
 tttaaatgac atacaatgta tgtagttttg tgcttattac tttttaaaat aataaataat 360  
 at 362

<210> 552  
 <211> 471  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA252289

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 aagctagtgc caaatgtgcc ccattggcca ctgaccctaa agatgtgtga cccagaggcc 180  
 atgaaggagc cacgttaacc catggccggt gtcacacctc tccggtttag gactagtgga 240  
 ttttgggcac tggagccacc tctttggcaa acagcttgag ggagaaatca agggctgggg 300  
 cggcctgggt cagcatcccc aatggagatg acgtctatgt gcggcccgcga gaactcgggg 360  
 gaggttgctc aggggtgatgc cccactggc ttcacagacc aactcggga actgggcctt 420  
 cagcacgggt gccgtggggg gcagctcctc tggcttgaag ttgtccagca g 471

<210> 553  
 <211> 507  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA252355

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 <221> unsure  
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 tgggtgctgat aagaaagaag tttgctgttg gtttaacaat gattaccttg aaaattatgt 180  
 gttttttctc actggtagaa tactcacatt taagtagaca tttgatgaat gtgcataatt 240  
 attgataaga ctccacacag gactcctaatt tccatagatt atgcggggag gatcatggta 300  
 caaacatcct tctcccttat gaagggggcat ggcagaaaat gaaggctatt gtgactaaaa 360  
 ggaagctctg cgangattaa caacatataa ctataacctt gtctccaagg gagatctaag 420  
 agtgccccc aagaatctg agagactgta ataggatatg aagagaacag ctgaggaccc 480  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA252365

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 tgcaccttta ataacaatgc tctcccagaa ccgggatggg gggcggtgag gtgggggttg 180  
 tgggggagta cgtttctgag ctagttaaag tcaactgagga gggcccatat ctcaatgtgt 240  
 gttgagttac aattagaaat tagtcatgga aggacatgtc taccacagat atctttcctc 300

acattttaaat tattccattt ctctctacag tcctccttct atcttttagtt ccatttttaa 360  
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<210> 555

<211> 336

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA252524

<400> 555

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gaaagcaaat tacctgcaaa ctaacactgg atgacaagtg tcaccagaag tgctttggaa 180  
acatgattat gttatacaaa gacttggcaa atccaacagc atacagtgca actgaaacct 240  
tccccaagga tctgagaagt cttgccgatg gaatccttgg acatcaagag ccaggcgagg 300  
agcagtttcc gatctgctga gattctgctc cgcctt 336

<210> 556

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA252627

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cagtgcattt tttaaaaaat actgtaatta taatttcaga acttccgaat ttcaacagat 180  
gccagtgttc tctccttttt tcacatggga aaattccctt gaaactcatt tgaagcttgg 240  
acaaaaattc cacagctgta ttcttcagga tcactttgca gagtcttcaa gactcagata 300  
cagaggaagc ttcaattcaa c 321

<210> 557

<211> 153

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA252994

<400> 557

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agccctgccc acagcacagg ctcacagaag ccg 153

<210> 558

<211> 169

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA253011

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aaaaatatta tagttctttt ttcattcattt attttccatat atgtacact 169

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 cattctaaac ttaaaataga aattttttata ttacaaaacg tagaagtaaa attttaaaaa 180  
 gttaaagtac tagcacatat atgtgttagg aaaatggtct ctgtcaattg cccattttcc 240  
 caattaaatt aacctacgat ttcttttttt taacagctta tttttttcat aaaagttgta 300  
 ctttgagaag ttactttcta attacgtcat gagaacacaa cttgtaatt 349

<210> 560  
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 <212> DNA  
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<220>  
 <223> Genbank Accession No. AA253129

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 cagagtgcct cagttagggg aacttctctg taaagaacct tgggtattga gcaaaaacct 180  
 tattatcggt aatgacctat aattggaagc ttctgcctt tttctttggt tgctcctgtg 240  
 gaaaatactg aaaagattac tttgttttat tttgttgtct ttttataaaa ggggaggtgg 300  
 agagaccctc tcagagcagg gattgtgccg ggagagtgcc tctgactttg ggacatttca 360  
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 <211> 385  
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<220>  
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 cactgagcag agaagcttga agaacgggga tctctctctg tgggcagggg agccccagct 180  
 tccctcgtga ttcccgtcct ttcaagtcca ttatggcagc tctgtcaatg agcaccagc 240  
 ggtggtgtgg ccgagcacc aggaccgcg ctgaaggccc agagacctgg caggccggga 300  
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 gtcggcaatg ccttccctgc cctgc 385

<210> 562  
 <211> 376  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA253330

<400> 562  
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tcattgtgaga tcttgaatct ctttctttgt tctgtttgtt tagtttagtat catctggtaa 180  
aatagttaaa aaacaacaaa aaactctgta tctgtttcta gcatgtgctg cattgactct 240  
attaatcaca tttcaaattc accctacatt cctctcctct tcaactagcct ctctgaagggt 300  
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gccacaggc cactgt 376

<210> 563  
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<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA253369

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accttccctt ggctctgcat gtggatccaa atcaagcctg ggtgtgtctg acaataccag 180  
ggcacggttt gcttcccggc cctccatctc tactgtttgg ctacagcttg agttcactag 240  
gcatcggttc ccctctcagg ccagccagca agttgttagc tgccaacaag gacatgggtg 300  
tgcggtttct gtgggtggca ctgccaatgt ggggcagaat cacacagttc ttcaggggtca 360  
ggagaggggtg gtttgtaggc agtggttctg ggctcgtcac atccagtcca gcagctgcaa 420  
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<212> DNA  
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<220>  
<223> Genbank Accession No. AA253410

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tcaatgagga aaatgttcat tttaaaaggg ccccttatag acatttgctc tttgacgtca 180  
gcactcccca tagagcacac ccagatctaa atggatttcc actaagaaag tctgtttaag 240  
aaacttcatc atgatgttta gcctgtccca gaattcattg ttctcaggga atgacttgag 300  
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acacattttg tccttccttc ctttgtccca acagttattg agc 403

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<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA253455

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tcctttcttc ctccagtatg cagcgggcac ctgccacacc tgctgcaagg acctggctct 180  
gcccctaggc catctgtac gccaaaggaga cccagggtctt tccagtttct accaggccct 240  
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<212> DNA  
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<220>

<223> Genbank Accession No. AA253459

<400> 566

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gcatttcatt aaatacaaaa tacattttaca aaaagagtct accatgggtg tccttcacaa 180
tgccagctta aggtctttta aaacttcctc ttctacatat ttatagtggt tacatcttga 240
ttatatcaac attatgagtt ttatgagttt attttctaata caaagagaat agtgtcagcc 300
tgtttctcaa accaaata                                     318
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<210> 567

<211> 278

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA253473

<400> 567

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gtgctcagct gactgtcttc tccagaaggc tcttctgagc tgagcaggag accccagggc 180
cacagccgag ccccaaccta gacacggtct gagctccaac cttggctggc tatacttcaa 240
ggcgggtagt ggccggcatg gggctggagg gagtgcagc                                     278
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<210> 568

<211> 315

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA255486

<400> 568

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aaatttgttt tcttatactg gctttaaggc agtgattaga aaaggcctaa gaggtggggt 180
ctgtaaggga ttgctggaag gaaagtagga atatggaaaag tcatgagaca tatactgtca 240
tctcttcttg cttcctctca agtcacatgc aaattcaggg agagttagta tgaaacacac 300
aatggaaatt tgggc                                         315
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<210> 569

<211> 404

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA255546

<400> 569

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aaaaaaaaa aaccccaggc aggcacgaca cttatgtaaa atgaacacag ttagtacaaa 180
accagtaagg catcactttg ggaaggtcag caccgaagag gtcaggcaag gtcgtccag 240
acggggcttc tgggagggag tgacctcac ccttattgag ctgcgtcatg ttggttctga 300
ggaaagtgc agtcttttgc agggtgaccg catcacccca ccggaagctg gggcggggac 360
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<211> 396

<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA255566

<400> 570

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tatcccatgg tccactgtaa tcttttggtc ttcttttttt gcagtacagc agtcctcgtg 180
ctgctatcca ttgagtaggt aaaccaccaa ttcataagggt gccatcataa tggctgtgtt 240
tggaatctgt ctactagat gagttgtcag accacgataa agagacccat aaccttcttc 300
ttgaacaagc aaagatagag tctgaaaaaa agatctgtat tttgttcctt cttcacgtag 360
tcttgttctt acaacttcat gtggatatgc tatagt 396
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<211> 302

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA255624

<400> 571

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gagcacggag aagactccct ctctcggaag ccggatcccc agccgggcag gatggatcac 180
caccagccgg ggactgggcg ctaccagggt cttcttaatg aagaggataa ctcagaatca 240
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tc 302
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<210> 572

<211> 371

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA255878

<400> 572

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catcggttct taatacagta caatcctttt gttgaacaaa agtcacactg gcaatgatta 180
tttacagatc caaaatagac tcaggcttca gacataaaaa atttaacatt catctagttc 240
agtgattagt cacagaaatt aaacatctgc ccagatgtac acaatttggt aaaaactaca 300
gcttctctcc acggggagcc cagagcccgt gccgatccgc gctccgctcc cgaggacttc 360
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<210> 573

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA255903

<400> 573

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aaaattttaa tattcagtggt aatgaggcac tcaaagggtt gaaatgcgat ttttctttgg 180
tttcaggga cctgtccctg gtctctcact ccaagggttaa gttccaaaac tatacttttt 240
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ggctcacagg gctctctgtg atgctctggt gccagctgtg tactcttgag tggttaggca 300  
gcagttcaca ttagatgtgt aaaattaatt aaacctaaat ctctaggctc aagtccagga 360  
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<210> 574  
<211> 179  
<212> DNA  
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<220>  
<223> Genbank Accession No. AA256131

<400> 574  
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acattccaga aaagcagcca gcaggggtag aggcccaggg acagcagtgg gaagagcag 179

<210> 575  
<211> 436  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA256171

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ctgttcacat cttggggctc agagggtcaag aacaaagatc acagacaaga cgttactaaa 180  
cggacccctg cagtagggtc cgaattgcag aatcatccaa ttccagcatg gtcagcacgg 240  
agatattcac agaaagaaac ccagcaaagt cctctctgag ccgctagagt caacaagctt 300  
ttcatacaca ctatggagag cccacgcccc acataaccct tgagaacaca gttccatgtc 360  
ttggctaaca cggctctcac cgctggcctc aacaccctg ggccatgtct cctctgctct 420  
tccatcccca ccacaa 436

<210> 576  
<211> 410  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA256268

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tgaaggtttg caaagggttat ttgtgtctta gttatttctg cacttaatga cacatcagac 180  
gcattgagta tatttcataa gttgttgact agcaaagata caatcattag taacccaagt 240  
cttcaaaatt cacaccaaac tttatgaagt cattcagaaa gagaaagtca atcctaaaat 300  
taaaattggc aactatgata aataccttca aaaggatgta gatgtaatgg agatgtttta 360  
aagtttagtt tcattaattg taaaattagc atgttatatt tactcaatat 410

<210> 577  
<211> 237  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA256273

<400> 577

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cgccggcata ttagttttcc cgcacgcgag ccctgcatgg cgggtgggctg gggagccggg 120  
gcggtgcat tctgccacac gccacgctct actaggcccc cttactccta attaatggcc 180  
tgctcaccag actgtgagaa aataattgcc actataaatt ttcctcctt ctgcata 237

<210> 578

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA256341

<400> 578

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taataggctt taccatgtta cgatctaaat gcttggtcat cagagaatgt acaaaattct 180  
aagtttggca tccaaaaggg ggcttacagt tattgaatat tttcccagc cctattttta 240  
atcaaatcca agtttgccta tgacaaagac tgtctataag taacagggca agcatacca 300  
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<210> 579

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA256367

<400> 579

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acacggtgct caccctgggc ttctcagaca aaacattctg gatgcgaagt acttctgac 180  
ctggagggtc ctccagggtta tagttcagta gcttcatagg attaggatgg catcctgcca 240  
aaatgtctcc tgtggcagga tcgacagtca gggttatccac taagggtgcc aactgtatca 300  
ccttcagttg agttaaatcc cagttatcat gtttttccat tatgtgaatg gtcctaactg 360  
ctacatcagc tacatagac 379

<210> 580

<211> 275

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA256524

<400> 580

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caaaactaaa aggctatgtc tcttcatgca tttatttttg ttagaaaaat gtcccatgg 180  
gctatcaaac cgattttaac catcatcaag cttaactttg cctctgttga caacatgact 240  
acaaacatga atcaaaaagg agttaaggaa tttta 275

<210> 581

<211> 368

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA256606

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aagtcttccg tgtaggcgtc actgctactg gaactttgta gatgaggagc ctgtatgatg 180  
atgtcctgaa catttctatc ctttcctcac acagagggaa gctacagaat gaaggggctg 240  
gaaaacgttg gtctgggttc ttttagagct gattcccat tggatactgc ctggaggcct 300  
tggggatgaa tgagaagttc tgcagtttg atcagtagca gaagcaggta acacatcagg 360  
gaaccgga 368

<210> 582  
<211> 318  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA256642

<400> 582  
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atttagaaag ggttttaaat catgtgtatg ttggctacag agtaaaagga acagagaaga 180  
ctcaagctat tgtcaggtgt gtatgtgtca tcagcacaca ctgggggagg agagtctca 240  
ctaagtgcc aacccctga tagctgtcag tctctcatga agcaccatga tctggcatgg 300  
actcccaat gccacttg 318

<210> 583  
<211> 332  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA256666

<400> 583  
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ctggtgcctg ccttgctgct gtgagtcca atggtgcca ccttgctgct gtgagtcca 180  
gtggtgcca ggacggcct gcagggatgg catcgagtcc actctctgag ccgtgcttgc 240  
cggagtctga gtgggggcac tgtttgtcac ctccccattt ctctgttcat gtgtttctca 300  
ttcttcttcc accaccctgg ggactcagca ag 332

<210> 584  
<211> 244  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA256688

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ttaagagagt ttgttaaaaa tggagattct ggagccccac tctgtgagtc tggacgatag 180  
gtcctacatt tttaaatgcc cctgcctgcc cccaaggtgt ttttatacag atggtagact 240  
cact 244

<210> 585  
<211> 347  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA256990

<400> 585  
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taaatagtac agaaggactt aaaaatgaaaa acacagtttc ccatcccacc cttttttaa 120  
ctaaatccca ttccctagag gtaatgcttt taacaatatt tatttttagat cgtctggtaa 180  
cttttctaact ttaaataata tgtttgagca ataatttctt gacttactga ctttacaaca 240  
tctttaataa ttccccatta caaaagataa ggattttaact tacactatcg ccacttttct 300  
ttgtccatct ctctccaaat gtctgatagt tacatcactt ttttaata 347

<210> 586  
<211> 156  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA257057

<400> 586  
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gtttatggca ctgtaaccag aatcaaatca gaaaaaaaaa aaaaaaagga aaaagggtggg 120  
aaggaaagta tttgatatat tgttgaattc ctttct 156

<210> 587  
<211> 222  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA258131

<400> 587  
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gccatcatta tatattaaaa gagcagaggt aattctgtct tctccgggtg tgcagcacga 120  
tctgctccag ctcgtcatgc cagggcccg aaacacctca ctttctcccgt gtacagctgg 180  
tggaactgct tggcaaggca gtggaaagg gcttcgaagt tt 222

<210> 588  
<211> 313  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA258158

<400> 588  
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attcagagtt cctgatatt cttctgggtt tttgtttaag tgtattcttg gtttgaagcc 180  
atgagttaaa aagtcacaag tatctgtgta tataaattgt aaaagggtatt caaacatgtc 240  
aggatgaacc ttctctacca caaagagatg gcaccctgca gaatcttcat ctttctggta 300  
aatatctgta aat 313

<210> 589  
<211> 446  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA258182

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 tgattcagct cacaatatta cccctttcca gacaacagca cattcaaag ttcaagaaaa 180  
 cattttatgg gcacctttta tgggcatttg agattcacag agcaatgggc catggcatgc 240  
 cctcaaggaa cttacaatgt agctggagag acacaaaaca tccaaaacag acatgagggg 300  
 ctggctctac ctccacacct ctatctgaac aaaaacgatt actggcttaa gtccctcgtgt 360  
 tgtaacgcat gagccacagg aatatcttag caagtacgca ctttatcaag tttcaatttg 420  
 acatgtcaaa acaaaagttt ttatgt 446

<210> 590  
 <211> 388  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA258308

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 ccctttcaga gatgagggta ggataccaca gacatcagta actgacaagt tataatatca 180  
 acacatgtaa catttggtgc attattttat aaccctaaag ggagcaactg caggtgcaga 240  
 agcagtgagt gaactagttt tgtccagaca aggttttctg atgtgctatt actttaaaca 300  
 ccacttttgg aactaaaga tttaaagtga taaagccact aactaacttt attagactag 360  
 tttttacata aataaccaga tttctttg 388

<210> 591  
 <211> 444  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA258323

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 aaagaaaaat ccaacattta tagctattcc caaggaagag aaaagctaaa ttcaaacaga 180  
 ttatttaaag atacagtcgt tgaaaacgta tgttctaaaa caaaacaaaa caaacctgt 240  
 gaattgcagc ctgaaaggaa agcatgtacc acgttctgga taaatatgaa agcaaagagg 300  
 ccccatggaa acatatccat gcatagccca tgcatttctg tcttctctca ccaaatagca 360  
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 aactgccttt acaaaaggtg gcag 444

<210> 592  
 <211> 431  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA258350

<220>  
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aatgaggtgt gtgagccctg tccccagcat cctggagggg cggctctatgc tgagagcccc 120  
 accagcagga ggactgggag gagcagggcc aggacctgta gtgctcgggg aggggtggtg 180  
 gctgaagcac tggatgaagg ctgggtcatg gatttcctgt tgcagaggta cccctcacag 240  
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<210> 593  
 <211> 416  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA258353

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 gacattcaga ccttagcata tgtgatctag tagttctgct cctggatatg tatccctaaa 360  
 ggacctaaga agggacttca agagagatgt gtacacccat gttcatagca ttactc 416

<210> 594  
 <211> 493  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 caacacgcat aaaatctgca catttatata ctgcatgtta ttaaaaaatt ccattactaa 240  
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 aataaaaatt ttcaaagcat ctcacaggcc aaagagctaa gcaggaccct cactcagaca 180  
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cccaaaacaa cagcttgtgg tctcctccaa ttacacacag agggagagtt cgatgccagg 240  
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cttttcacag ggcagaactg atttgatgag gtgaacagta aggtgagcag aggtgggaaa 360  
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<213> Homo sapiens

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<212> DNA  
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caaactgaac aatattttct gttatacaaa ttacatgag aaaaactcca aagtacaaat 240
gaagggacct gagcaggaaa gagaacccaa gtatcaggaa gtgggtatgg gggagaatta 300
aaaaaaataa taaaagattc aagcaaocat tgagaatagg ggaaaagagg gagacatcat 360
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<211> 453

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<213> Homo sapiens

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<211> 321

<212> DNA

<213> Homo sapiens

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gcaatatgat tacatacgaa gaatgcaaaa tgcaggatg gatgccttcc aagcaacacc 180
aagtccttag agttcggctg atcgcgcctg cctccacact gtttcttttag gtttacctga 240
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tcacgtctgg	ctgcgaccgt	ggcaggetgt	ggcatccccg	acagcggccg	gtggcggagg	180
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gcaagggttc	cccgggtggg	tctgacgcc	agctggcgct	ctgggagcct	ggggtggagt	180
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ctttggcctg	tgaggctgag	ctagagaagt	gtagatgtta	gatgtgccag	taccatcctg	360
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tacttcttgg	ttaagatggt	gcactgtcat	ttcattatca	gtctacctca	caatgtacat	300
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<220>  
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 aatacttcag atagagcaag aaagcattca cagcaaggcc tataatcagt aagatgtgtg 180  
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<220>  
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 gccacaggtg gctcaacacc cagtgtgtgt ctgcgcggag ggctgtactg aaggttctga 180  
 aggctgtgtg agtccccctc acggccagaa ggagagaccc ggcttcggct tcatggccgg 240  
 cctcccgcag gtgtctgccc agctcctctg catcccagcg cccttgctgg aggctagcca 300  
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 aatagtttta tacctttccat caagacattt cagagctcta gacgtttaga aataaggcca 240  
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<211> 374

<212> DNA

<213> Homo sapiens

<220>

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<212> DNA

<213> Homo sapiens

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<211> 263

<212> DNA

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<212> DNA

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 catcaacttg aagagtagat tgagtcttac aggaagttag ttacaataag taacattaag 240  
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 gcagctaaac ccatactctc aataaatttg tttggagaag cagggcaagt aatgacaata 360  
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<220>  
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 <212> DNA  
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<220>  
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 agaattttca tttgaggaga catacaattg taagtgtctc ttttttgtca attttaagac 240  
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<210> 656  
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 <212> DNA  
 <213> Homo sapiens

<220>  
<223> Genbank Accession No. AA282238

<220>  
<221> unsure  
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<223> n = a or c or g or t

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agggccttgg agaggcggtg gaggttgcgc aggttgaact ggatgctggg gttggtgacc 180  
cgcagctcgt ggatgttggg ggagctgtcc tgcggacnag atgtcactct cggccgagaa 240  
gggggacact gtgatgggtg tcttaagctc atagagtggc aggttgtctg aaatgccacc 300  
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<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA282247

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aaccagttc tatttgatta actatgaata gcaaagtttt gtgacttgtg actcacttaa 180  
atcaccatc tgaaattcat ttacaagggt ttacatttaa taaaacagta gtgtggtaca 240  
tgtattggac tcagatgaag tctaaagtac actggactct agagagtgga ttacatacca 300  
acgaccaaga ttcaagtgtt tggggaaaaa aataccttag acagtctatg ttggcgtcaa 360  
cactaaaata aaagg 375

<210> 658  
<211> 385  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA282343

<400> 658  
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gaacatacaa atgtttcttt tatcatgtct acagtaattg tctatgcttt tccatttaac 180  
tgttggttaa aattccacat atccccatta tttcttctgt cccagttaca gtacaatgac 240  
ggggaggaag agggttgggt aaagcatccc tctaagcagt tttctgctgt cccttctttc 300  
caatcagaga tttgtggatg tgagggatca caccaccccc agctatggta gccttgataa 360  
gagaatccac tcttcatcac cacga 385

<210> 659  
<211> 400  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA282505

<400> 659  
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gctggtggcc cagttggctg ggggcaaggc caggggtcac ctcaggtcga caggtcctgc 180
tggtgggcgg gccagagtt tatcttcatg gagtgctggt ttctggcact gggctggaag 240
gaggccagct ccagggatct ggcttgggtt gggcaggcag aattcaagaa ttcatttca 300
acaagcgagt gacagcagag gctccgggag atgggcacaa tgtccgactc ccacagacag 360
acagcagggg actggcagag aaagcccatc tctgcacgga 400

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<210> 660

<211> 404

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA282516

<400> 660

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gcgtgggaag acctcctgct caccagtgtg ggcagagtgt agcgtggcct gggctcctaa 120
tacaggtaaa ttgtctccaa aggactagta aaggtagctg ggtcatcctc ctgccccagg 180
gacactgatt agagaaaatc cgtctgtgct ggcaatacgg cagtgtgga cactcggaa 240
tcccttgaag gcaaaagcaa ggaacagagc gtgattaggt actggacacc tgccaagtgc 300
tgggctctct ccagtttaca gatgaggaaa ctgaggctcc tcgagttgga gctgggatgc 360
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<210> 661

<211> 369

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA282541

<400> 661

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tgcttggcaa actccactcc ctttttaggg tcacttcttc tcagaggatg tgtctaactc 120
tctgcctttc atgcataata aaggccctgt catctattct cccagagatc ttgatatctt 180
tttataacat caccaacatt atatcactga tactcttcat agcagactgc atgctccatg 240
aaggtaggaa taatcatctt tacaacatca gtgccttctc agtgaatggc cataaaagt 300
cagtgaagtga atgcttaata acttgaagtg aaaggagata aaaaaatcat agtaactcag 360
aatgcacag 369

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<210> 662

<211> 312

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA282571

<400> 662

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gacaagtaca cggtggtaaa tgtatagctc aataaatcta atgaaataaa cacaccaatg 120
taacagatca agaaagagga cattactagc ttccagatgc cctatcatgt ggcttccag 180
tttagttccc tcaaggataa tgaatattct gactattaat gtcatagatc agttttatct 240
tcttttgaag tttatgtaag tggaatcttt tctgtctggt caatatcatg tttccgagat 300
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<210> 663

<211> 315

<212> DNA

<213> Homo sapiens



<220>

<223> Genbank Accession No. AA282886

<400> 663

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aaaaaggat tataagaata atatttcatt tctgaggtaa ggaaattatc atctagtatg 120
tttttatata acctactatt cacaatgaca tgtagaattc tctctgttat tcaacatatg 180
ttcttgttct tcaaaatctg caatatctgt agtctgattc ttggagactg gctcaccgca 240
attgtctagc agagcttttag accaggaagt gccacacagc aagtagtttc catcacagtc 300
ttagctagtt tattc 315
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<210> 664

<211> 314

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA282956

<400> 664

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aatgctcttc ctgtctgaca tcaatgacaa cgccccgact ctccggccac gttcccgcta 120
catggaggtc tgtgagtctg ctgtgcatga gcccctccac atcgaggcag aggatccgga 180
cctggagccg ttctctgacc catttacatt tgaattggac aatacctggg gaaatgcgga 240
ggacacatgg aagttgggga gaaattgggg tcaatcagtt gaacttttaa ccttgagaag 300
cctgccacgt ggta 314
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<210> 665

<211> 226

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA282971

<400> 665

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ccaggccacg caagaaccac tgcggcctgc ccgtgacttg gcttcccctg ccagcatcc 120
tgtcctccct ggtccatctc tggtaggagc ggcctggagt gggctctgtg gctgctagca 180
gggggcaggg aggagctggg actgtgggtc gtcctggccc gtgggg 226
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<210> 666

<211> 408

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA283066

<400> 666

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aacatgggat atattctaga cactgggttt ttttaaagat ttattaaatt tagactccta 120
tagttctgtt gtgatgcttt cttcaacatt tatattattt cttaccattt tatcatcact 180
ccaagcttgc taaacaaaga atctctctgt taagtgaagt ttacatttaa ggaaatactc 240
cactagcaca ctgaacaaac ctacagaact gtcctagttt atatttacia aacacaagaa 300
gtctgtccag ccattttggg tttgttggtt cactgtccat actgagatca gcagagagct 360
aagtaataca caagattacg cttcggcagt gcaaaggatg gcatcaac 408
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<210> 667

<211> 382

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA283085

<400> 667

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gtagactgat tgcttacttg aaaatattaa cttcatacat atcaaaatac accatcctca 120
actatataat tggactgcaa aatgcttgat atgaagtatg taaaaaaata agcagtttat 180
tatacccttac aacccttataa agggttgcta tctagtacaa agataacatt tatcttataa 240
caaaaaatttg atagttttaa aggttagtat tgtgtagggt attttccaaa agactaaaga 300
gataactcag gtaaaaaagt agaaatgtat aaaacaccat cagacagggt tttaaaaaac 360
aacatattac aaaattagac aa 382
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<210> 668

<211> 258

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA283182

<400> 668

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atgaaaccaa aaaaaagcct gaatcaaaac ctttttagga gtagttacag atattatagg 120
gatgggggcg gggggcacta aaacaaaaga gaaaagcacc agtgagatgt ctttccatt 180
ttcttctctc cgccacggaa cacgcacacc aacagagccc aggccacttt ttgccctctt 240
cccttgga aaaggagga 258
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<210> 669

<211> 520

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA283711

<400> 669

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tgccccctgt accctccccg accccagcca taatttaa atcttagaga cagagttgga 120
gggaggggac aggagaggtt ggggtcacgg tggaaggagg aagagagccc actacagccg 180
ccgcagcgcc cgcttcttgt ccgtcttttt cttggccgcc agcttcttat cgcgctcgcc 240
agcatgcttc ttggccatgg gaccctcagc ccctcccggg cccctggcg caagggtctg 300
ggtggaggaa gcttcagtgc cactggccag ggctcgaccg gcttcggccc tgccgctggg 360
cccgcggcg cccacagtgg atctctgtga gcagacgggc ccgagctgca tactcctcgt 420
agttctccaa gagcaggcgg cccgcttcc cgttgagtgc agactcgggg ttagggtgga 480
tcagcaggca cttgatggtc agcagtacgt gtcggatgcc 520
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<210> 670

<211> 453

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA283758

<400> 670

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tatttttttt cttaaaaagc agtatttctt acaggaatct tactgatcac acggtagtta 180
caataatgtc agatatgatg tatacagtct aaacgagaca gtccagttaa gaatatacat 240
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aatgtaaaaa tacacatatt aaaagtttagc caagtggaca gacgcatgcg ggggtggggg 300  
gagcaggtga caggaactcc ttttaacaatc agtagagggc ccagatgcaa agaactctgg 360  
tttccccgtt acagtaaaaca gottttcacta acgtatacag gtatttcata cacatctaaa 420  
cacacaaggg taagttgtga cctgctacac ata 453

<210> 671  
<211> 334  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA283759

<400> 671  
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gcgagattc ctgacgaccc acagccacct tttatgaggc cagagacttt acacaccaca 180  
ctccccacct ccattccagtc aaggctctgc gatggaacag ctgatattct taggctagag 240  
gactccattc tgtgtagggg ctcatctcca tctcagctcc agaacacgga ggacctgaag 300  
attactcacg gattcctcct tcaggcaggg ctct 334

<210> 672  
<211> 297  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA283832

<400> 672  
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aaacttgcaa aaaattttatg aaactagtca ataccttgaa caaagaaaaa cacaataaac 120  
taagtaataa ttacaattgt gtactccaaa ccaaaaaaag cagagaccgt cattacaagc 180  
caaatctttt ttagagttgg ttgttgacagg ttactaaaat gcgtaaaaca aaatctctac 240  
ttttcagact tacagaaaag aaataactcc aataagaaag ctaacttaag gtttcat 297

<210> 673  
<211> 242  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA284153

<400> 673  
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ggtaccataa taaatcacac actcacacat ccatattgct taggttgaag agaacggaat 180  
gaacagagga aatttcttcc atgaattgcc ctcccttcgg taccgcat gttttagtta 240  
cc 242

<210> 674  
<211> 404  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA284558

<400> 674  
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tagagaaact ttccattctt ggagtgcata atggctctct taataaactc tacaacagat 180  
tgacagcggg cctcaaactt gggatgacac cacaggctga aggttcctct gtagtgctcc 240  
attctagtgt ggtgggtgat accctgtgat cggaaactga ggctcaggat gtaacgagga 300  
tcagaactgt ctctgaccag gaaagaacca tctggtttcc ctttcagctt catctctgca 360  
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<210> 675

<211> 238

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA284565

<400> 675

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aaagacaaaag taaacattaa acacaaaatt gcaattacaa acattttaat aaaatggaat 180  
gagctttttaa attgaagcta atatgaagtc taattctcat ggacagcaaa aaaaaaaaa 238

<210> 676

<211> 316

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA284720

<400> 676

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ctaccactg cctttgcctg cccgggggtga gggagcccct ctgctccacc catgcccccc 180  
atgatggcac atctgtatga ggctgaggca tggggggcag tgtgaagaac aggggcaggt 240  
tccaagaaaa agaagaaaaa cccttccccac agccctaata aataacagaa ggggttgga 300  
tgacctgggc acaggc 316

<210> 677

<211> 225

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA284721

<400> 677

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agacacttaa gtactgtatc gctgttatgc agcggcctgt ggaggccctg ggggtggctg 120  
ggcctgtgtc ctgagccctc agccagatcc agggggtgct gtgtctggct atgtccactc 180  
caagagcagt agcaccatgt agaaggctgt gagcagggtc ccctc 225

<210> 678

<211> 478

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA284795

<400> 678

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atatgtcggc acgtccaggg tccccaaggg agcagggttcc aaggcactgg ggcagccac 120
gccgggggag gcccctgagc agcaggcacc attctcggcc tggcaggggc tgccacttgg 180
ggagagcgga ggctggccag gccttcagca aagctgttgc agctcaatca gtcctcttgg 240
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atgatggccc agccaggtag ttggctgtgc ttccccagta catgggggtg tccaggatgt 420
tgaaggggaa cacggtcact ctgcctcctc tgaggatccc gaagtaatca cctaggaa 478

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<210> 679

<211> 428

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA284879

<400> 679

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acaagtccat gaaagtagag aggaggcgcc agttaaggga cagcaacttc aaggagacgg 180
ttgttttttc gtttacatgt tgggacactc ccatttttct ggtttccttg aataaacttc 240
acacatactt tgtccggtct gaacagggtcc agggctccac cggaaactcc aatattgagc 300
ctccggttgg gtttgacctt aaatttttgc ggaagaacct ggggtggcca tttcaaacca 360
agtggatccc tcctgaaaag aaaagttccc ttactaactg cttctgagcc ctcctttaag 420
tggacggc
428

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<210> 680

<211> 421

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA284945

<400> 680

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ggagccaccc ctctgccgca catccagtag agagaggatt ctataaagtt cacacttttt 120
cattaagtag tagtagaaat acggtgaggt cctgagactg gcctgggtgag cgaggaaagg 180
ccgctggggc gttccactct gcaggccggg gctgaaataa cccgagttcc gttctcacag 240
aaaggtgcgg ctgccacctc ttgacacaga ggccggatgg gcagggtgtc tcgatggcca 300
ggccgtatca ggggtacaacc gcagcagtag aaggggcttc ctcaaggaca aatggctaaa 360
aatgtcacgg tgaaaatgtc atcccaaaag agttcgttct ccctagacct gtggggggcaa 420
c
421

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<210> 681

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA285053

<400> 681

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aaaatatcta gtggccaaga ggtctacaat gacacacttt gtagaaacca cacaggacat 60
taacgtaagt ttaccttcta gtaattatgt tacaatgtg ttatttcaat tagattacat 120
attaagacac tgctatgctg taacagcact agagatgtcac taattaaggc tgtaaatagg 180
caaaagtga ctcctaataa atactgaatt agagatttct tctacaagtc tgtgagttta 240
agacagggttc aaaactaaaa taagaaaaaa aactgaaaa ccactttgct cacataat 300
atatgttaac taaaatatgt attgttcaca gggtactaat ccatttcaaa gtgtagattt 360
tatacaaaga atatcacaga aatattttac ctccctctga tgtaactct gataagctat 420
gggat
425

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<210> 682  
<211> 349  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA285132

<400> 682  
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aaattcatat tttaaaatgt ataccaaggc aaaaaaatca tataagctat atcataaata 120  
caagagtttc aaaacataca agagacatat aatgtaaaaa aaaattatat atatgaagtc 180  
caatgtaatt tataatacaa aaaaatacag caagggaaaa tgcttttagaa atgctcatct 240  
gcaaactaca aaacaaaatc ctctctttga ccgactgcat gaactgccat gaaatttgca 300  
gctccatcat actaggtatc tcttctttct tcatgttacc ttgtctttc 349

<210> 683  
<211> 310  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA286710

<400> 683  
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cttctgccta taatgatata agatgaatcc actttatggt atcacaaatgt gctgtatatt 180  
ctaaccacaa acaggatgtc agatgtgtcc ttgttaatat actcgcaagt tcctctagct 240  
tgtgggagat gtttagagcta acacatttgc agtaagggac ttagtcctga atagaaagca 300  
tgaaggatc 310

<210> 684  
<211> 473  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA286911

<400> 684  
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gaaccttaaa acacaaagta gtagactggg tagacatagg gacaatacag ctcatcattt 180  
catttttgag atgttgact tcaccatgca agtaaatata tgcatatatg atattttggt 240  
ttgttttgag aaagggtctt actgtgttac ccaggctgga atgcagtggc aatgatcttg 300  
gctcacagca aattctgtct cctgggctca agtgatcctc ccacccagc ctcccaagta 360  
gggtgggacta agatgcatac ctctatgtct agctaatttt taaacttttt tttgtagaga 420  
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<210> 685  
<211> 361  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA287022

<400> 685  
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<220>

<223> Genbank Accession No. AA287550

<400> 689

```
tggggggtttt taaggtgccg catgttcttt ttagtttcca tacatcgtct gtcccagagt 60
gaggagaagt tgatctcctt cccacatcca cgggaggctg cgtgaggga gcctgggtcc 120
ccacaacttg ctccttctcc agccctgccc ctctcaatta aaacaatgct ttcttttttc 180
ttttcttttt tttgagacgg agtcttgctc tgtcaccggt gctggagtgc agtggcgcca 240
tcttggtcca ctgcaagctc cgccctctgg gttcacacca ttctccagcc tcagcctccc 300
aagctgctgg gactacaggc gccaccacc acgccaagct aattttttgt attttttttag 360
tagagacagg gtttcaactgt gttagccagg atggtctcaa tctcccaacc ttgtgatcca 420
ccccac 425
```

<210> 690

<211> 490

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA287566

<400> 690

```
tttttttttt tttttttttt ttgcagcaga aaaagagttt aataatcaca atgccattgg 60
gcaaagagat gaaggaatcc tcaagcttca catctgtctg cttgaggggt tctgggccag 120
ggtttttaag gggattgtgg cgggtgaggt tctggagaat tggggttgtc aattgtctag 180
gtcaaggaag attaaatcat catgatgtga aaacttcatt cttctgtgag tcggctcctt 240
gctgggacct tcagatcaac tggcatcaac aattttatca gtatgcgtaa cataaaggag 300
aaactcaaac agaaagcata tcatctcatg tgccttagat cttatctata gaaaagaaaa 360
ggaacacagt cttgtgacaa gggctacact atcttggggg agtaagaagt aactagctac 420
aaggaagtag gccaaattgg gaagtggatt tcatgattgc cactgattat tctgcaagcc 480
tagttgaatt 490
```

<210> 691

<211> 505

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA290594

<400> 691

```
gtaacttttt tgtttttctt tctgcttcat tatgaagata actacaggaa tatataacat 60
tagttcctgt tttccaccct gtgaatttac ctgaattcat agaatccttg cgtgctttta 120
gcaaaaaatg tattttgtat tgaaattgat tcttatctca attccagaca cctatacagt 180
gctggagaca cctaccctac accacgaaat gccagacagt aattcctaga tcaaagtaaa 240
tgatctaaag atgcatcac atctgatctg gaagtgggtc agaaacaggt gtgttgcatc 300
ttctgtagct gtaaataagag attctggaag ggtgatactg tttccttttc agggtaaata 360
accatactt gttatgccat caagccaagc agcaaatgaa taatgtcatg aaaatattat 420
tagaacaat taacaaatta caattacaat tatcaaatta acaattagaa tatagtagca 480
ccatcattct aaaaatttaa atttg 505
```

<210> 692

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA290674

<400> 692



```

cttggcccta ggcggaaggt ggcttttatt tcctctcttg gggaaggagg gggagggagc 60
tttcccaagc acatcaacct aaggaagggg tggttgcgcc cccagcagcg aggggatgga 120
actgctgac attcggaagg aagggttcgt tcttgtccac ttcctggccc ttggctgcag 180
ggtgtgctgg caggggtcac tcccctatgg gtggcagctc ctgcatcagt ggaggcacia 240
ggaggtatct gctggtgttc acgaagagga gggggcaggt gccatgagtg agggagaaag 300
ggctgggggtg tccgaccca cgccaacgcc tgcccagtat gatcactttc ataaggcctg 360
gctggtgga ctcct 375

```

<210> 693

<211> 236

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA290776

<400> 693

```

ggaagtattg aaagaggctt ttaatgaaaa tactgtacag tttatgtgag gcaaaggcag 60
ggggccttgt ccaggaaggg aagaggccca agaggcttcc tgtccccttg gggcaggcag 120
agccaaatgc ttgggctcgg gccaaagctgc ctgccctgca ggggtccagg aggtcctgat 180
gagtcctgcc ccttcccttc cagagggcct gcctggcagc cagcagcagg gtgttt 236

```

<210> 694

<211> 351

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA291137

<400> 694

```

ctgtggatga tcaattttta tacaattata cattcatgct gtggtggtaa caactttcac 60
attatttgta ggactacttt tctcaactca tgacaaaggc acaatccaaa agtataaatt 120
aacattacaa taagttttaa acaaagtggg acaaaggacc aatctgaagt attaaacaga 180
aaacatctga atatggatca acttgaatat attttcattc cagaaaatat tttgtctttt 240
caacactgtc tcattttgct atgatggcag ttttgtgtac ctggtgactt actcttaata 300
cccattcaac atgtaacaat tataattaag cattcacata ctggatagac a 351

```

<210> 695

<211> 408

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA291139

<400> 695

```

tttttttttt tttttttaac aattttacat tgacttttat ttaataaaaac cacctattta 60
caattcaaaa aagtcctact ttgatacact ttactaaata aaattaaagg ttaactgtac 120
aagcaattaa aacatgatat gtagcaagtg ttatcaggag ttttcagcaa actatttaaa 180
atagtcaaaa actgagcagt taaaaagtac cttctgaagt gaatgccgtt tctaaatggg 240
atcccaatgc ctggcgggag aggcagcctc actctactgt gcaggctgga caaagggtccc 300
ggccctgaag tcttagactg tgagagtcaa cggcatgtga agtggagtgt gcagacctct 360
ggaggagcag cacgtcaatg tctcatttcc agtttactta aaccacac 408

```

<210> 696

<211> 327

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA291168

<400> 696

```
ttttttgaaa ggtaagtacc atttttattta gtgttgtagg aaatgttggg ttactttcta 60
aaaacgaaac caaagaaatt caaaagtccc aaagaaagaa agcaggaaat aataattcta 120
taatccaaaa acgttgggag atccttcagt tggagggaaga gggcgtcagt taagtagctc 180
acacagtaga tatggagaca ccatatggag atacggagtt aagtttggtg gatactagga 240
attaagttct ccacctaagg caattaattt ttcagccttg agagataatt agtagttcta 300
gaaaaagaaa aaaagttgac tgggaga 327
```

<210> 697

<211> 299

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA291259

<400> 697

```
gttttagttc agtttatttt ttaatatgtc ctgagttctt tctgttcata aaattatgat 60
cttatgacag ctgtaacttt taattaataa tattaacaaa tcattattga tataggcttt 120
tcaatttgct caagattagg aattgtaagt ggaatgaagc agcacttcca gttgacaaat 180
ggatccaaag gtaatccaat gtctttttaa ttaagcttgt gacaattaaa ccaatacact 240
gtagcaatga gaaaactatt gacaaagtat aaccagggaa tattcatctc aatatatgc 299
```

<210> 698

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA291293

<400> 698

```
caagatagag gggtttttatt gaaagtaggt tatgcaaact tggcttgaaa ggtacttata 60
attttaaaaa ttatgcctaa tgatgcatca aatacaaaaa catataatac atcaatagtc 120
aaccctttcc ccataaaggc aaagttagtg agaatgtttt atttttcctc tggtaatggc 180
taatccaggt aataatatga aagcaaatgg aaaattcaca ttgcttcttt cattgcttct 240
gtcccttaaa cctgttaatc ttccagaacc acattactga ggtgctggcc tgtgcatgga 300
aacccaatga tatccaggtc ttacaggtcc agggcccagt ggacagacag gccctgggtc 360
tccacgctgg ccaccatgtc ttcgatggca ttcc 394
```

<210> 699

<211> 546

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA291323

<220>

<221> unsure

<222> (1) .. (546)

<223> n = a or c or g or t

<400> 699

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tttttttttt ttttttgctg gaaaccaaca ttttattgag cactcctgct cctcggaatc 60
tattccagta gattctttgc cgagggatca catatcacac aggggtgtga ccagcactcc 120
ccctgctacc tgccgtgtgg gcagggcagg agtgaatggc tcttcctggg cacaggccac 180
agttaaccgg tgacaattgc agagccatag gaattcatct tttagaaaaa acgaaaactg 240
gaataaaaaa aaaacaaaaa acctgagtat aaaacctcag cagtgttcca gcactatctc 300
```

gggggtttaaa tataaaaagg catcatgaga aaacagttaa aaagataaca gcagcagggc 360  
gccacctccc agggcaattg gtcattgnngg gttggggccaa gcctgggtctt gaaccgccgg 420  
ggggccttact ttagcagca ggtgcaagcc cccgctgagc aacggcaaaa gcaacgccac 480  
aaggcagcag cacgccacaa ggacctgttt tccagggacc caggaccggg gttctggggg 540  
tttcca 546

<210> 700  
<211> 244  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA291456

<400> 700  
gactgaagac atgaaggacc tagcctagga gtggtcaggg tcccgggagt ggccaggggc 60  
ccgtgtgtgc cctctgccag tcttcgctct gtccccgttc aatcaacccc atctcagttc 120  
agcagaaaac cccctcgtca aataaaaccc actgactgca aaaaaaaaaa aaaaaaaaaa 180  
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240  
aaac 244

<210> 701  
<211> 330  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA291644

<400> 701  
gggtgtggaa acatgtgagt gtattattta tttttgaata aataatacaa taaaatataa 60  
aacatacact tattgtggcc ctctgcacaa gcaatctggg tgtgcagagt cttgggtgtcc 120  
cctgctagtc ttagtacctg tatagagctc ttcagactgg gtgtcgtgtt gcagaggcta 180  
gcaccattcc tgatgtcacc ctgggtgaga cgtggctcctc agaatccaga tttccttttt 240  
tgtctttttc cttcttccac atgttctaag aaaacataga tttctggcca ggcattgggtg 300  
ctcacgcctg taatcccagt actttgggag 330

<210> 702  
<211> 262  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA291659

<400> 702  
ttactagtgt gattgcattt attcttataa atgtacagag ctgtagaagt gcaagccaag 60  
agttctatag agtagtacat aaacaccata tggtagcact cctgctggga ggtaagcctg 120  
gataaccccc tctcctcagg aaactgtcac ctgcagaaca cacagcactc agaattaagg 180  
cagtttggcc ctgggcacat tgggtgtatt ttggatatgt gccactggcg ctaaacaact 240  
gaccatttct accctgcctc ac 262

<210> 703  
<211> 214  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA291749

<400> 703

```

tttagttgta attcttttatt tgaacatcaa ataggttgag aaaattgttt acaggtgctc 60
gagcatcccg ctggattctt tttcaaagtg caaaagaggt ttacaagtgt gtttcattaa 120
acaaagcaaa gctgcgacaa aaccgagtca catcagtaat agtatgcatc ggcaaaaggg 180
catattaatc catcaaacac aatttggcat ttga 214

```

```

<210> 704
<211> 187
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA291786

```

```

<400> 704
gtttatacgg atgactggga ggcactgcac cacaacgtag gaccctggct cccctttcct 60
tgggtccttg tgttccttgc ccctgtccaa ccctggacag ttggctctac ctcagtaaca 120
ctttatagca aaatcagtgc aaataaaaaat ccctcagtga cctcaaaaaa aaaaaaaaaa 180
aaaaacc 187

```

```

<210> 705
<211> 312
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA292086

```

```

<400> 705
gatattgtag acctttatatt tctttaaatc tcctaataaaa aacattaaac tttcaagaag 60
attccaaaact gacattgcat agaccaactc ctttcacaaa atatctctga tatactctcc 120
aactctctca atatatagaa tttgaagtcc aggagctgtg ggcacctggg gggaattcac 180
tgagctcaag gggacaagag ggctgaggac agggctccca catggggaca aggccaggct 240
ttctggcctc tgggtccagc cagcatcaat ttggttggtg ccaaattctc agtccaatca 300
ccctggccca gg 312

```

```

<210> 706
<211> 329
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA292158

```

```

<400> 706
tcattggccc tcattccaag cactttacgc tgtctgtaat gggatctatt tttgcactgg 60
aatatctgag aattgcaaaa ctagacaaaa gtttcacaac agatttctaa gttaaatcat 120
tttcattaaa aggaaaaaag aaaaaaaaaatt ttgtatgtca ataactttat atgaagtatt 180
aaaatgcata tttctatggt gtaatataat gagtcacaaa ataaagctgt gacagttcaa 240
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 329

```

```

<210> 707
<211> 431
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA292328

```

```

<400> 707
atagagacag ggtcttacta tggtgccag gctgggtattg acctcctggc ctcaaacgat 60

```

```

cctcctgcct tggcctccca aagtgctggg attacaagca taagccactg caccgggccc 120
agagggggttt ggaatgaagg tagaggcagg gggatgaagg cgccagagct gaagaccagc 180
ccccagaagc cacaccctcg cctttctagc agctacgggt cctctggctc cgggccttgt 240
aaacctcgat gagcagggtc ttgacgtact ggatctcgcg ctccacggac tctgcccgtt 300
ccttcagctc gcgattccgt gcctccagcc cctggaactc gaccctccag ggcctcacc 360
tctgcccgtc tccgctggcg gtacctcaga gccgcccact tgttctggct tctctacttt 420
tgcttgccgt c
431

```

<210> 708

<211> 338

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA292379

<400> 708

```

ttgttttttt tttagacttt tgtgttttat ttaaaaaaaaa aaaagtgtga agtaagacaa 60
aatggacctc taccaagttg tagggaagga caaggaaaag accaggggta gaaaaggagt 120
gtaagtttta gaatgggtggc attggcatag atgtgggaag agtataaaac tagaagaagt 180
ctccagataa aaatatgcaa aatatgtctg tttaagtata aacattttct gtccacatgc 240
aaagaggtgt ttaccacccc aaaaagggtta tatgttggag tggggacttc actcgcgctg 300
gatatgtatt accctccagc ctggaaactt tgtcttgg
338

```

<210> 709

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA292440

<400> 709

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cagaggcttt agaaatttat tacaaggccc tcatagtaga aataaaaaata tagatatcta 60
tgcttcccat ctgctctca gtggttcgaa taacaagtgc aagtaacaaa atagattgtc 120
tctataattc gcaaactggg agttcatggg tacagagcaa cttcagcccc agctcccaag 180
tcccaaagtg tggcttctgc gaggggtgcag acaaggacca accaagtcca accaagtctc 240
tcgtatgcag acgccagctc cagtctcaag gaggggtggg cttgcagtca gtctcactcc 300
acccccgagt ggacagtctg gaccctccgt gatggggaag gcggcacgtg ccccgccact 360
ccggcttctg ctccatccca aggcctcagc ttcggggggtc ctgtctctctg ctggcctggg 420
tcccccttct c
431

```

<210> 710

<211> 340

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA292659

<400> 710

```

ggtttttgac atataagttt aattacctgc tagactatca gatggaaata tgtggtaaata 60
ggatggaaac aaggtacata aacttaggag gcagaaaattt ttaaacttta gggtagaca 120
ttcaccagat tggacaattt ttaacattta aaataaaact ttttgtcata aaaaacaaat 180
gtattaaaac tagtttcag aactgcccga atgacttttt aaacatgact taaatgtcgt 240
tttgacaaat ctatccaaa tactaattta ccttttagaa cttagtttat aatttatata 300
ttaaagtgcc ctttaattgat attcattggg ataccttcct
340

```

<210> 711

<211> 391

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA292711

<400> 711

```
aaagccatgt aaaacccgaa gcattaaaat ttattaaatg atgcaataac aacagaattc 60
tttattttaca atagcattat ttaacatcaa ataagcaa atgcatcagca aagcaatatt 120
aacttgcata aatgtattta aaattttctt gaatatatct acctttgcat aaactgctca 180
cactagaaat acaaacatca atgcaggatga acaaagtga gttcagagtc aactccattt 240
tgaaaataaa tcacaacctg aaacactgta agctttctcc tgaagaacca tagttaatat 300
attgcttaat ttacccttg tataatcttt tcatatacac acatctcaga tgcaacttca 360
tgagggaactg tacaaataaa actcacaat g 391
```

<210> 712

<211> 412

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA292765

<400> 712

```
ttaaatgtat aaccttaaat atttatttga gaaaacaaat aaagatccaa atacgtgagt 60
tgatcatctg ataaaagtaa gagttgacaa aaaaggtaca tcttctccaa tccgaaaaca 120
gaaagtggga aagatcaagg tatcactaga ggtcaatgaa acaaaacata caatagtggga 180
tgacaaaagc caatctctga atctttgaaa agaataaat aaatgaacat ctgaaaccag 240
tgatcgagaa atgtttttaga taaggcacia aaagatacca agaattgtta cactaggctg 300
tacatcctaa aacagtcaga tgagctcact gttataattc tggttcaccg caagaacctt 360
agcaciaaaga aaggactcaa caaacatttg gatccatgaa taaaattatc tt 412
```

<210> 713

<211> 251

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA292773

<400> 713

```
tttactctct ttggcttcct tttatttctt gaggattaca tgaaacgtga actatacagg 60
aaagtatggc agccaggtcc tggggccagg ggctggcggc tgctccctgc ccacgggtggg 120
ggcttctctc gagccgccgg tcctctccgg ccactctgcat ccaggcggtg gctacttgga 180
ggcagtcagt aagctgttct caatgcagag cacgatgtag gcgtgatggc agctcgcggc 240
actctgcccc a 251
```

<210> 714

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA292788

<220>

<221> unsure

<222> (1)..(407)

<223> n = a or c or g or t

<400> 714

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cacagctgaa ttacatttac tgtacaaaga acggttcgga gagaaccagg aatggcggag 60
```

tgtctaacag	cagccgcngt	agtgttgatg	ccgtgaatgc	aggaccatcc	aggtcctcaa	120
agtctgtgag	gtttgttcat	aatcccaaac	aagggccctg	ctggcagcaa	caggacaggt	180
ggggccagga	cagggaagct	ggagcaggag	gccagtgtct	ttgggggctg	tggcagggcg	240
cctgcatggg	gttcccttac	tcatctggta	gttcatgcag	gccacggcgc	tcatctccca	300
ggaacggggc	atggggcgag	tccactgggt	cccagtaaca	ccctccgtgg	gaccaccttg	360
ggaagcatgt	gccgcggagt	ccaccacggg	gggtcctggg	tcccggg		407

<210> 715

<211> 500

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA292931

<400> 715

ttttggaata	ccatttgtgt	tattgatcaa	acctggcttc	gagtgtgaca	gagccattct	60
tggttctcct	tggaagtaac	aagaacactg	ggtaacatgt	gaagtgcag	gagactcacc	120
tgaatcccac	caaagtagta	gctggaccca	gtagcctagc	ttattgtctt	ggcagtggcc	180
ctaccagta	ccattagacc	tggctttgtc	ccttacatag	gacagactgg	gcttctccac	240
tcccgcagg	ctggccctac	ctccacctgt	ccttgggaagc	tagtatgtaa	gtaagggagg	300
agtcattcaag	tttatagatg	ggtaggctga	ggattgaggc	aggaggggac	ttaatggctg	360
agtccttggc	ttgttccaga	gccctggccc	ttgagccctt	ggactgggtca	gtgcatggac	420
actctccctt	cccagctcgg	gcggaagact	tttcttgact	tagctgctcc	atacacacaa	480
tctataaata	tgtatttgct					500

<210> 716

<211> 445

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA293327

<400> 716

ggtaattagc	acttaatttt	aattaaaatc	aacagttcag	gagaagataa	gatagtgttt	60
aatatcaatt	tctgagaaat	cacatttata	taaaagaaat	aaaacaggcc	agcagaagtc	120
caaaaaagat	tcagcttaca	ttattgcact	tggatgaaat	atgctattta	gagtgtata	180
atattcaggc	caggccagga	ggagaaagag	aaaaatggag	aggacaaacc	tccaggtagt	240
atttattccg	gattccaaac	tctcctgcgg	cctaaacagt	atttagtcta	ttggaaacat	300
tcagcaaggt	ctttacaaaa	atgactgcag	tatcttcaac	acatttgagt	tgcactcata	360
cttcgttcca	gtcatgtgca	agtttaaatg	acagctctac	ctcacaaaac	gggatattcta	420
tgacaccaga	acttccctgt	gcca				445

<210> 717

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA293420

<400> 717

ggtaaaatag	ctttatcctc	tgtcagaaca	caaacaaaca	aactttgaga	ggggaggaag	60
gaaaccgtct	agctcagggc	tcacttagga	gagggatgag	attagaaagt	tcaacacact	120
gcttgtgcag	cggagataaa	gtcaagacc	tagcaccac	ttataaatat	ctcgttatat	180
taaaaaaaaa	aaaaatgtcc	agggcccacc	tggctctgct	cctgcacaga	aagggttcat	240
cttcactttg	tgatctcaca	ggcatggag	tgaggggtgt	agagaggggc	agaaatttca	300
gggggagggg	tggctgggaa	a				321

<210> 718

<211> 198  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA293485

<400> 718

```
ataatattga ttttaaatag tggagatagg gtctcactct gttgtccacg ctggtcttgc 60
ctcaagtagt cctcctgcct cagcctccca gagtgctggg attacagatg tcaaccactt 120
caccagcct gtgctgtctt tattgaaaat agcaagcgat gattttccaa accagaaggc 180
caagcaggaa agcccagc                                     198
```

<210> 719

<211> 412

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA293589

<400> 719

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ggtaaattgt tggtctgttt agttccagag aacagaacaa ggccaatag gtagaaatta 120
taggaaagca gaattcattc attataagga aggatttcta acaattagaa tttctaacaa 180
ttagaatcat ccagggcctc aggaggtgcg gaagttcctg tcacctaagt gctcaagcag 240
aggccaggtg tccatatgct agaaatggag aaaaggaaac tcaccagcaa cttcccctca 300
gctggccctc catcaccaat gcggcagtc ttgccgtgac atgctgagct ctggaaggag 360
cgaaggaggg gctgcggtgt tcagacaaga gcctggacac agtgctgctg ac 412
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<210> 720

<211> 326

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA293719

<400> 720

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ccgctggtct tgctgttgcc tttgctcttt gggggccttg gaggaaggc agagggagga 120
ccaacttatc tgggagagag aaggcccatc tttggggcta agaccaggtg gtgcggaacg 180
agatttaggg aggggagggc ctacttaggg gctggaaggg gatggggctg cctcctggag 240
tgtggtggtc acagagtgtt ggctttgtgg gagggaaaag aaaggaggc acacaagaag 300
tcaggaagag tggatgggag gtgctt                                     326
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<210> 721

<211> 340

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA293868

<400> 721

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aaacaattgc gatctaaaaa gtcaaaaatc tgaaatttaa taatatgaga cttacactga 60
atataatgtt catttagaag ttgctgtggt ccacttcatt tataagggaac aaatatTTTT 120
acagtacact atagcaacag caaaagccct ctctcaccct gataggaatg ggtttgcctg 180
gtgtctagaa gtttagattc tgctgaatag aattagccat ccttaaaaga ttttaattcca 240
atactgaact gtttataaaa tgctttctct attgtaatgt actgtaagta gtgaaattct 300
gtatatactg ctatTTTctg tctgttcatt gttgtgaact                                     340
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<210> 722  
<211> 227  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA295819

<220>  
<221> unsure  
<222> (1)..(227)  
<223> n = a or c or g or t

<400> 722  
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tccaactntg caataaaact ntccttcaca cagaaacatt cgcagcctgc ggtaggctcc 120  
cccttcctaa acccttaa at gcccttagtc tgtaagagaa tgtccctgac cgaaatcggc 180  
cagaagcccc tctnagggtt attcccaaaa taaacctgtc tctgttg 227

<210> 723  
<211> 216  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA296821

<400> 723  
cttcaatcag aatcactgtg cattactgag actctgttta tcaactagcct tctgtccctc 60  
ccgcagaaga ctgttggtgatt gaacaaaata atatgtattt tgatttactt aaagtgttg 120  
taaatttctt agggacctgc cacttttgac tgtggatcag ttgatgtaca cttgtattat 180  
taaagcactc aataaatcac tgtggctgat aactgc 216

<210> 724  
<211> 280  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA296994

<220>  
<221> unsure  
<222> (1)..(280)  
<223> n = a or c or g or t

<400> 724  
tatgatctgt accacacctt ccggccagct gtcctcctgc tgatgttcct cagtgtctac 60  
aaggcctttg ttatggagac cttcgtccac ctctgtcgc tgggcagttg ggcagctcta 120  
ctggcccgag cagtggtaac ggggctgctg gccctcagca ctttggccct gtatgtcgcc 180  
gttggtcaatg tgcactccta ggcttggtgt ctcagacatt gatgtacctt ttccctgcct 240  
cactccaggt tttagtgaag taaacagtat ttggnaaagt 280

<210> 725  
<211> 239  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA297532

<220>  
 <221> unsure  
 <222> (1) .. (239)  
 <223> n = a or c or g or t  
  
 <400> 725  
 ctaaagtctt taattttttg tcacaaatat ttctgcatct ctcagtcctt tcttggtgga 60  
 aaaaggaggg ctagtgatac atttgtaa ggcactttta aaangtgctt tggatatag 120  
 aggnaacaat gtacttcnna ggnatgtaa taataaatta aggttataat ggttgccata 180  
 tcngagngaa tgnataagat tagtctcagc aaaaacaaaa attagtttgg aagtagata 239

<210> 726  
 <211> 313  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA298180

<220>  
 <221> unsure  
 <222> (1) .. (313)  
 <223> n = a or c or g or t  
  
 <400> 726  
 ctccagtggc tttagcagtg actgtttgac ataaaacatg taaganttgc ttgttgggaa 60  
 gagtgtctta gggaccact gttttcattt ctnccttgag ttaccttgt ttcagatgca 120  
 gccatgggta ggtcagagat ggattgttgg tgcaataaac ccaagaatca atgtagcctc 180  
 ttaatcccat caagatgtag tttgtagcag caaagtgtac agtctgaaac cgtatgtttt 240  
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 tttcctataa agc 313

<210> 727  
 <211> 313  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA298786

<220>  
 <221> unsure  
 <222> (1) .. (313)  
 <223> n = a or c or g or t  
  
 <400> 727  
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 atcatgagct ttttccaact cctgatgaaa aggaaggaac tcattccctt ggtgggtgttc 120  
 atgactgtgg cggcgggtgg agcctcatct ttcgctgtgt attctctttg gaaaaccgat 180  
 gtgatccttg atcgaaaaaa aaatccagaa ccttggggaaa ctgtggaccc tactgtacct 240  
 caaaagctta taacaatcaa ccaacaatgg aaacccattg aagagttgca aaatgtccaa 300  
 agggtagacca aat 313

<210> 728  
 <211> 288  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA299632

<220>  
 <221> unsure  
 <222> (1)..(288)  
 <223> n = a or c or g or t

<400> 728  
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 ctacccttac ccatgtcaca gtggttgggg aaaattcccc caacgtgagc gcctatgaac 120  
 ccatgagcca gggtagacag gagggagaag tgggaatcta accttccttc tctctntnct 180  
 acagaataga ctgtntgact tccaagtcac taaattcatt gatatgcctg tcccaggcag 240  
 ttccccaggt gaatttgnca aaattctggn tgtatnccca caaataaa 288

<210> 729  
 <211> 487  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA306121

<400> 729  
 tcaggcttca tacgctattg tcttgcccgt tagagcagcc agcgggtaca gaatggattt 60  
 tggaagaggg agtcaccact ggacctccaa ggaagccacg tgcagacatc tacaaccttc 120  
 gatctcctga cgagtttatt gttggccaaa accaggccttt gattgaacca ggatgaatgc 180  
 ggggtgttga agtagaatat atatatacat ataaaattgg ttgggagcca cgtgtaccag 240  
 tgtgtgttga tcttggttgg attcagtcctg ccttgtaaca gaaactggcg atggaatatg 300  
 agaggagccc tctggaaaga aaaggacaga ccctgtgctt tcatgaaagt gaagatctgg 360  
 ctgaaccagt tccacaaggt tactgtatata atagcctgag tttaaaaggc tgtgcccact 420  
 tcaagaatgt cattgttaga ctttgaaatt tctaactgcc tacctgcata aagaaaataa 480  
 atctttt 487

<210> 730  
 <211> 380  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA307748

<220>  
 <221> unsure  
 <222> (1)..(380)  
 <223> n = a or c or g or t

<400> 730  
 cgggcttcca cttcaccatc ggatgtttgc nactcanact gagggggagc tcagagtgac 60  
 ccaaattctc aaagaaaagt ttccacgagc tacagctata aaagtnactg acatttcngg 120  
 aggttgtggg gcgatgtatg aaattaaaaat tgaatcagaa gaatttaagg agaagagaac 180  
 tgtccagcag caccagatgg ttaatcaggc actaaaagaa gaaatcaaag agatgcatgg 240  
 tttgcggata tttacctctg tccccaaacg ctgaccacgc cctggctgca tagatgctgc 300  
 tgctttaaga ccttgggatg gaactttcac tggacattca tttcttnccc taaggcagtc 360  
 acccaaaaaa ttttgttata 380

<210> 731  
 <211> 324  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA312946

<220>  
 <221> unsure  
 <222> (1)..(324)  
 <223> n = a or c or g or t

<400> 731  
 gaagttaaag gncactttat tnactgacag attgaaaact gtaactccag gnagtgc aaa 60  
 atgcaccaca acccaattac aaagaacagg tggttaacaca caatgtttta acaatgctac 120  
 actcattttt ggcaaagtgc tgtattgttc agtctgtgta caaaactgac catctatgan 180  
 ccaatcagta taaaaaattt ctataaaanc aaaatttagn cagtggctca agaaaacaag 240  
 ctgccattta tgcatagnnt gatgtacagn aacctaacca aatgtccctt ttgaattttc 300  
 aagttactga aaaaaaatgt gtcg 324

<210> 732  
 <211> 473  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA313213

<220>  
 <221> unsure  
 <222> (1)..(473)  
 <223> n = a or c or g or t

<400> 732  
 gaacagctca agtccaaaaa gatgcacgga ttggagaagc agaggccaag agagatgctg 60  
 ggatccggga agctaaagcc aagcaggaaa aggtgtctgc tcagtacctg agtgagatcg 120  
 agatggccaa ggcacagaga gattacgaac tgaagaaggc cgcctatgac atcgagggtca 180  
 acacccgccg agcacaggct gacctggcct atcagcttca ggtggccaag actaagcagc 240  
 agattgagga gcagcgggtg caggtgcagg tgggtggagcg ggcccagcag gtggcagtcg 300  
 aggagcagga gatcgcccgg cgggagaagg agctggagcg ccgggtgcgg aagccagctc 360  
 ccgccccgga agcggangct tacaagctng agcgcctagc cgaggcagag aagtcccaac 420  
 taattatgca ggcggaggca gaagccgcgt cnttgcggat gcgtggggaa gct 473

<210> 733  
 <211> 493  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA314457

<400> 733  
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 gaaattcaga tagcttttagt gattgtcttt gtgtgtctg catttgagg agcaacaatg 120  
 tgggactata cgattcctat tctagaaata aaattgaaga tccttcagat tcttgattt 180  
 ctagggtggag taatatattt ctgttcaaat tatttccatg ttatcctcca tgggtggtgtt 240  
 ggcaagaatg gatccactat agcaggcacc agtgtcttgt cacctggact ccacatagga 300  
 ctaattatta tactggcaat aatgatctat aaaaagtcag caactgatgt gtttgaaaag 360  
 catccttgtc tttatatacct aatgttttga tgtgtctttg ctaaaagtctc acaaaaatta 420  
 gtggtagctc acatgaccaa aagtgaacta tatcttcaag acactgtctt tttggggcca 480  
 ggcttttgtt ttt 493

<210> 734  
 <211> 573  
 <212> DNA  
 <213> Homo sapiens

<220>  
<223> Genbank Accession No. AA316272

<220>  
<221> unsure  
<222> (1)..(573)  
<223> n = a or c or g or t

<400> 734  
tgtagcacca gttgataatt ggtctctagt agcttactgt caaaatgttc aatgaagtct 60  
tctgttcac tgttgaaact aggaaaatac ccaaacttaa atggaagaat tctgaaagag 120  
aggatagaat ttaaagaaca agagtatata aagttattct ttgaatattt cgttgantat 180  
atgtacattg agttatctat atttgtaaac aaattagtc tggaaaatta ttctattcca 240  
aagtctcctt ttagtctaga taatcattat ttcattttta aattagtgtt ttcatagtt 300  
tgactgatg cgtgtatgga tgtgtgtgag tcagtggtag cttattttaa aagcacctta 360  
tcctttctcc cataaccttt gtacactaaa aaatgaaaga ntttagaatg tatttgatga 420  
tagcattctc actaagacac atgagaattt aactttataa ccgctgagtg taagatttaa 480  
ttcatagggt ttgatgtcat tgttgaaagta tttgtaattc agaaacctg cttgtgtgat 540  
acataggtaa gtctcttcat ttattactgc ttg 573

<210> 735  
<211> 284  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA320369

<220>  
<221> unsure  
<222> (1)..(284)  
<223> n = a or c or g or t

<400> 735  
cccgcctcca ccactttcca ccatcagctg ccaaactggt ccctctgtnt ccctggggcc 60  
ttgggttctg tttgggggtc atgaccttc tagtttctg acgcaggga tacaggggag 120  
agggttgctc tccccccag caaatgcaat aatgccctca ccctcctga gaggagcccc 180  
ctccctgtgg agcctgtnan ctccgcattt nacacggagt ctgctgtgaa ccccgcaaac 240  
tcctcccaa cttccatctt ttctttccag ggcccatccc tggg 284

<210> 736  
<211> 323  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA321833

<220>  
<221> unsure  
<222> (1)..(323)  
<223> n = a or c or g or t

<400> 736  
ctgggtgcaa gaggtttatt tgggagccat cccaggaagc ccaaggcggg ggagtgggga 60  
agagaggga gggagagccc ccgcagaagt acatgaatga gtgggttact gctgcgggca 120  
actgggactc catcctgctg ggcacacctt gagagtttat gtagaatata cttcagaatt 180  
gtcctgctca aggacaatga agctgaggtc ctgctcctta ttgactcagg gttgctgctc 240  
ctggggacat taacccccca acatttctag cttncaccagt gcactgactn agcacacagc 300  
tatggccacc aggaacctt ttt 323

<210> 737  
<211> 263  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA328684

<400> 737  
aggatgtcta agctaattccc gtcacagaaa ggaaacgcac aggcgcctag gcagaaactt 60  
ggagactcac cgcagaggcc acgtgaacct acggccacag agaggcagga cggcagagcc 120  
atgatttccc accgagcgat tacgagaacc ttttccccca atagtagaca catctccaat 180  
acaaacacag gtttataata agtaatagga agtcaatata ataatagatta tccccagaaa 240  
aaaatcaaca atcttcaaac act 263

<210> 738  
<211> 160  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA328993

<220>  
<221> unsure  
<222> (1)..(160)  
<223> n = a or c or g or t

<400> 738  
gctttagagc agttatggga gttatagatt ataacatatt agtgatttgt gaaacttttt 60  
tactaaaatg tgaccctcat ttttctttac atgaaagaac atagaatatt tcacaatgca 120  
tcccacgtgg taagaataaa aaattgtttt agttatatgt 160

<210> 739  
<211> 245  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA331393

<220>  
<221> unsure  
<222> (1)..(245)  
<223> n = a or c or g or t

<400> 739  
agaaaagggtg gaaatggcct tttattttaa tatgaggaaa aaattagaat taagtacagn 60  
aagattatatt ttaaaaaagc agacaagtta gaacaaacat tttattatta aaataaactt 120  
ttgtataaaa gcattacaga tcaaaagctg tatttacact tatcgnttca aggtccaatt 180  
atgcatcaaa cattgaatgg cacagcaatg gtttacatat gcaagtaaat tggacataca 240  
aacac 245

<210> 740  
<211> 233  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA335091

<220>  
 <221> unsure  
 <222> (1)..(233)  
 <223> n = a or c or g or t

<400> 740  
 gagtgtgggg tcagtttatt gggcatgcgt cagtcagagg ctgggctggc cagggtcggg 60  
 tagggcagca gtttgtcttg accccgagaa acccaactgg aatccagggc ctcactgtnt 120  
 tcaaagccaa agtccttcctc aaccttaatc tgcaccgggg ccagctcttg agtcagcgca 180  
 tttcctgctc ggcgtccatc ccgtggnact cgccgcctct tccgcccact tgg 233

<210> 741  
 <211> 299  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA335191

<220>  
 <221> unsure  
 <222> (1)..(299)  
 <223> n = a or c or g or t

<400> 741  
 gcaggccaaa accntagttt atttcagcat cagcagtatc ttagccatca aaaaaataaa 60  
 cntaccaag ggtgacggaa gtntctacag caaggntaag ggctcgccag acggcgaaca 120  
 tcaggggtgc atgggtgggca ctgcccaggc aataagtnag gaagcagcag ggctggtntc 180  
 ggggtgtgggc cgggcttnat ttctgggcag gcatgaggtc gtcgatggcc tggccctgct 240  
 ccagccgctg ctccatctcg atgagcagct tcaactccgc caccaccatc ttgcaccag 299

<210> 742  
 <211> 219  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA338512

<220>  
 <221> unsure  
 <222> (1)..(219)  
 <223> n = a or c or g or t

<400> 742  
 cccnngtaga gataggggtc ttgctatgtt gccaggctg atttcaaact cctgggtctca 60  
 agcgatcttc gtgcctcgcc cttccaaagt actggcatta ccggcataag tnactgngcc 120  
 tgcccatcc cctgaaactt ctaacgctag agacttctaa ggtgagcagg tggccccctgg 180  
 gacaggaatg caataataaa atagaaaaga cggcaaact 219

<210> 743  
 <211> 218  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA338729

<220>  
 <221> unsure  
 <222> (1)..(218)

<223> n = a or c or g or t

<400> 743

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gccaggggaag ancagcttta atgccagtaa tgtcagccag gagatgggag accagtctca 60
aatccatctc tccaattgac taaagttagg ggtttatata gtagggaagg aacgtaaaac 120
aaganttagg gaggagtaag gaagaggagt tgggtcaacgg gcagcagggtg gttggatgag 180
gggtctggtg tctcaccgta accatatgca ggaaaaca 218
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<210> 744

<211> 207

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA338760

<220>

<221> unsure

<222> (1) .. (207)

<223> n = a or c or g or t

<400> 744

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gtggaagaat acagaaatat gtttaatact tagtatcaaa ctaaaaagta atataaaatt 60
acaaaacttc ttttttttca tgcacaggct ttttctggta aggaccgctg ggattgaaca 120
gaagcttccg gtaaataagg gccccgtcgg caagacagca tactgctgtc acaagtgcaa 180
acaccctcc accaactgtc aatgttg 207
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<210> 745

<211> 251

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA338889

<220>

<221> unsure

<222> (1) .. (251)

<223> n = a or c or g or t

<400> 745

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cctcatgcag ccccaaaggg cannaaagag actttaatta ggggagggag gntccaccag 60
antcagaaaa gggacagcta gcgtggggagc agaggagcca gaacaggcag gaggagggcc 120
cggccaggaa gctctggagg actcacctcg ccacctctgg cacaggcact ggcactnacg 180
gacaaggcga aacagcggcc cctctcaact nggagggcac ccaatggccc ctgtagccag 240
aggttgcccg g 251
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<210> 746

<211> 310

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA342301

<220>

<221> unsure

<222> (1) .. (310)

<223> n = a or c or g or t

<400> 746



aaagagatgg ggtttcacca tgttgccag gctggctctg aactcctggg ttcaagcagt 60  
ctatctgcct tagccacca aagtgcctggg attacagggtg tgagacacca tacctagcca 120  
agttaatttt tttaattggtg aaatccttttc tttgcacata aaatgagcca gtgcatgttg 180  
cttctctgag tacaagacaa aattttatggc aatgggcaat tagacttata cttttctgca 240  
agaaaattaa cgggaaaatt ctctctcttag ttttctgttg ttttnccatt gatctgatac 300  
tgtactcgtg 310

<210> 747

<211> 359

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA342337

<220>

<221> unsure

<222> (1) .. (359)

<223> n = a or c or g or t

<400> 747

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cgaagagggtg aaatggaatt gaatgggatt atggtcagcc aaggcttcct agtggagctg 120  
ctacctganc tgagttttaa gaggggtagg aaagaaaaaa tgtagtgggt cataatggca 180  
ttccagatac aggggacaca aacagctctg tgtttatgaa ctacaaccag ttgttgactt 240  
ttgtttcaag tggctcccct tccccagtgc tgtgtggacg atggactgaa gaggagaagg 300  
ctggggagcaa gggaccagta agctgttgca gcagtgcagg tgagatatga ggcctcaac 359

<210> 748

<211> 322

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA342446

<400> 748

aatgtcctag cttggtttgg tcttgaaaag attcataatc actccaaatg aaatgctcct 60  
cccttgacca ccaatgtgaa gggagggtag aaacctgagg ctagacttct gacacaagaa 120  
gaatctgtcg agagcacagt ctcccagtca ataagaagga aggagagagg gggatgagct 180  
cgcacccttg agaagaacct tcatgagcca attcccaaag catcaactcc gcatggatac 240  
tttgacaca catcagccgt gtctaattga cacacacacg tgcatacaca cgtgagcaca 300  
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<210> 749

<211> 377

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA342771

<220>

<221> unsure

<222> (1) .. (377)

<223> n = a or c or g or t

<400> 749

attgaggtag aactttatgc caagtaccga gtaaagcact ggggacatta agatgaacta 60  
ggcagtctct gccctcaaag accatcaata gacatttttag tatatgcagg gagttctggt 120  
cacacagagg acaaatggct ggaaataaaa gttaccaaaa tttggcagaa attcttccag 180

atatcttttt atgcatacaa gtatgtntcaa gcacacgcc aacacagata cacacataac 240  
 agatgcatgc atgtntgagt gtgtgtgcat agatgattag acagatagat agcatcatac 300  
 catctttgat gatcagaaat ggtttttttc tgcacaatat aacatgggca ttgctccaca 360  
 aaaaccaata aatgtag 377

<210> 750  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA342918

<400> 750  
 accataattg acttttttatt taaaaaatta cacggagcaa tttccagctt atcttttttt 60  
 ataaaagtac tgcctatatc aaacattttta tatcacgtta attccattga agagctgcct 120  
 ttttctgtta aggtactgat tccaattgat gggatacatg cccttaatac agaaagtctc 180  
 cattatttat tcaaatatca aaattaagat tattgagaag tttattgctt tatggctggg 240  
 caagatgcta ctagcacatt ttaggtaaat aatattcttt attaaaaact atgagggtca 300  
 ttctgtttta aacttttcaa gataattcac ggggaaacag gtatatctat tcaa 354

<210> 751  
 <211> 357  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA343142

<400> 751  
 gaggtggagt ctcacgctgt tgcccaggct ggagtgcagt gttgagatct tggctcaatg 60  
 caatctccac ctcacaggta gctgggacta caggcacctg ccaccacgcc tggctaattt 120  
 ttgtattttt agtagagatg gggtttcacc atattgggtca ggctggctct gaactcctga 180  
 ccttggtgacc gccgcctcg gcctcccaaa gtgttgggat tatagtcgtg agccaccgtg 240  
 cccgtcctag agtcagattt taaatcttca aatattcaag accggtttat tagctatttg 300  
 agggttgtga acgctttctc ctctcttaca agtgcaaagc ctaactcatt gaatgtg 357

<210> 752  
 <211> 291  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA344866

<220>  
 <221> unsure  
 <222> (1)..(291)  
 <223> n = a or c or g or t

<400> 752  
 ggggtctgag acatttaata agtaggtacc actccaccca ctgtcctctg gggcagccgg 60  
 cagaagatcc cctgccctgg gtggcagggc cctgatctga ggctggtttc acggaggaca 120  
 ggcagcgggc acccccactg gtggggctcg ctctcggggc actgacttct cagcactgga 180  
 gctgtgtncg ggcctcacct cctcacttcg tccaggacgt ggaactgggc tncaagcctc 240  
 gcagaagccg tacttnggga agtagaagat cttngtcctc agtcagggtg g 291

<210> 753  
 <211> 189  
 <212> DNA  
 <213> Homo sapiens

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<400> 753
gttcaggggca gcctcactgg ttgacataat aacattttat naaagataat acgnttttaa 60
aaaatcaaat ctgccaaacc cggaccaccc tggaattgct agcacgccta cagggatttt 120
nggttacaga aaggcatgct caagattcag gagagcagag acatctgagc ttgtaaatag 180
aataaaagq                                     189
```

<220>  
<223> Genbank Accession No. AA347717

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<400> 754
caaatatgtgc taattttattc ctttttgtag attcactaat ttttaacatt aaaaatgact 60
tgtacactttt acaaattaaa acattagatc acaaatgaaa atatgctcca gacatctata 120
ggcatctgctt tttctttata ctcnactana tacat 155
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<220>  
<223> Genbank Accession No. AA348284

<400>	755						
ctgtttgttt	tttattgagg	ctcattgacc	agggaaacat	aatgtntcca	ctcatctgct	60	
tttaaagtag	agaacaaggc	ccacaaactc	tatttaataa	atacaaatta	ctaaaaatgc	120	
gcttagtggt	gtattgtggc	cagttaagaa	caggagatgc	tgggacagag	cctacagaaa	180	
gggcgggaga	agaaaggaaa	tcaaaatgaa	gcagctgaca	gggacgtcag	ggagacacac	240	
aggtgcagt	acagccacac	tgcacgaa	gctcagcttg	gaagacagag	gctgcagaaa	300	
gtcggtcct	ctagtaggcc	accaggggaa	aagctctcaa	aatgttggtg	ttactntgac	360	
cnagqccaca	aqtcttaagc	atcttaatt				389	

<220>

<223> Genbank Accession No. AA348466

<220>

<221> unsure

<222> (1)..(267)

<223> n = a or c or g or t

<400> 756

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gcaaaatgca gtgtacctta aaagtgtctc acctagaagg cctctacctg taatcacatt 60
aatttttcta aagacaattt ggtgttttga agataaatgt cattagtcta tgataatagc 120
atcataggac aattagccat tttagacttg accatatttn ctcttttttag catatagcca 180
tcttgatatt taggtgggag actactccaa tggagcaaca gtttcatttt acatgattgg 240
atntagaaat ttacaaattt taaactc                                     267
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<210> 757

<211> 171

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA348485

<220>

<221> unsure

<222> (1)..(171)

<223> n = a or c or g or t

<400> 757

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aaaatttaag ccaactctta ttcaactttn ctncctcaca gcagctgttt atagatagta 60
gggagccaag aatgaaggac agtaacagat ggaaagcaaa aagtacaaca gctatcttaa 120
gtncagctct caacattgct gggtgagttt ggaacacaaaa cctcttaaca a          171
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<210> 758

<211> 342

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA348922

<400> 758

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agcttttaaag aaatgcttgc ctgagagttt attttttggg gaaaaaggca agttaatccc 60
aacatgatct tttgatatga aaaccacatt aaaaatctgt tggcctttac acagagtggag 120
tggttcagtg aagataaagt agacagttat tcaggcgctca cagctgagca tggctgatcc 180
aggtaactct ttcttgaaat gcttgtcttc actatagaat ctaaggcaga ttttttaaata 240
acccctgaaa aaggatggag tcggggaatc aggccctggag aaccgagtcc aagagcattc 300
tgccatgaaa gagaatccac gcgttctgat gaggacccat tt                                     342
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<210> 759

<211> 382

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA349792

<220>

<221> unsure

<222> (1)..(382)

<223> n = a or c or g or t

<400> 759  
aactacaaaa ataagcactt tactaacaac aggattctca gggaatgggg gctttcagag 60  
gtgtcactgg gctgcactgt tgaggctgtg tgcatacagt gagatgtgag accgaaagaa 120  
attatccagg acttgctggc ccatgcgggg ctttttccga ctgcacggag aggacacctg 180  
ggaccttttg gaaccatac aggtccctgg ctggtggccc tgatacacac ggaaaacctt 240  
tttcatggcg gtggaaacag ctgcggtgtg aaattcctcc tgcgtcanca gcgagcacct 300  
ggtgggtacgg tggtcactng ggtctnccct tccaaggcca gcccatatac ttgatatgtc 360  
aacttgatgt gagagaagggt gt 382

<210> 760  
<211> 312  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA349836

<220>  
<221> unsure  
<222> (1)..(312)  
<223> n = a or c or g or t

<400> 760  
cccaattttg tgccaagatg agaatcacat ttattgaagt tacattacag aagatagtga 60  
aggggaaaaga ttgagaactt ccttagtaca cccttactcc aatatttnct attagcactg 120  
cacatgtatt actgcctagt gtccattggc atagaagcct aaganctgct tatgtngcca 180  
gtccttagaca aggataagca tttttaacaa atacaggtaa aatctcattt gtngctgcaa 240  
tcttttcaca ataaagttaa gctgtgtcat taagaaccaa cagcgtggcc gggcgtgatg 300  
gctcatgcct gt 312

<210> 761  
<211> 230  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA363203

<220>  
<221> unsure  
<222> (1)..(230)  
<223> n = a or c or g or t

<400> 761  
agtactcaaa caactttatt tcactagcca tgagcaaaaa gttgaccggc tccaggggat 60  
tttccatcct gccctctccc tgctgggtggc tcccatgatt tggaaataac cncatgttcc 120  
acttggcagt gcctggnttt gtgcaccac anggttttgg cctgggnccc agtgaaaatg 180  
gtcctcacct ggctggggaa canggttntg agaggccct tgatctgccc 230

<210> 762  
<211> 169  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA364267

<220>  
<221> unsure  
<222> (1)..(169)  
<223> n = a or c or g or t

<400> 762  
cccagctgcc ccagccctgg tctntggcgc atcttttccc tcttgtcccg aagatctgcg 60  
cctctagtgc cttttaaggg gttcccatca tccctccctg atattgtatt gaaaatatta 120  
tgcacactgt tcatgtttct actaatcaat aaacgcttta tttaaagcc 169

<210> 763  
<211> 399  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA365691

<220>  
<221> unsure  
<222> (1)..(399)  
<223> n = a or c or g or t

<400> 763  
ctggaaagca actgtgtatt tacacaacag tggacgcctt tnacattgca gaggggcggg 60  
taagagcggg atggctagga agctacagca cctatttggg tatgaacaca gcattttcag 120  
atggctgggg gaatagatgc cacttccac tcaagacagg gatttgctca gcgggaaagc 180  
aggtaataaa ggcagcacat cctgcacttt gaactgcac cgtctcatcc tgcagccacc 240  
ctgtagctca aagcacagtt ctggagccta ttaggtccaa atntcaattc tacccttgag 300  
tcagcgaggc cttaggcaag aggtccctcg aagtctgtct tcctgtggca gattagggnc 360  
ggccacacca caaggcagtc gcttggggcc gggggccgt 399

<210> 764  
<211> 340  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA365708

<220>  
<221> unsure  
<222> (1)..(340)  
<223> n = a or c or g or t

<400> 764  
gttgtgtgat tcttttattt cttgacatgc acacatatat ggntcaaaaa gtatgtacaa 60  
ctagaaaaac ggactccaag caaaaatgga aaacatgttt ccatgagctt agatttccgg 120  
gtatattact cctaaaccta aggtagaagt aatgcattgt ncacttacat gtccactttt 180  
ctaaccaag ctaagggtg gaaaaagaaa gtcagaacag tccaagtaa atatgggaaa 240  
ccatagcagt gataaaacct aagntttctc agaaatagtt ttaagtggga agcctctaata 300  
cctacctgga cagtgttttc ctgtgggggt tctcagcatg 340

<210> 765  
<211> 214  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA365742

<220>  
<221> unsure  
<222> (1)..(214)  
<223> n = a or c or g or t

<400> 765  
aagatatttg attatcttaa aaattggtta ataccgtttt catgaaagtn ctcagtattg 60  
taacagcaac ttgtcaaacc taagcatatt tgantatgat ctcccataat ttgaaattga 120  
aatcgtattg tgtggctctg tatattctgt taaaaaatta aaggacagaa acctttcttt 180  
gtgtatgcat gtttgaatta aaagaaagta atgg 214

<210> 766  
<211> 228  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA370163

<220>  
<221> unsure  
<222> (1)..(228)  
<223> n = a or c or g or t

<400> 766  
gaaaagaaat ctatttttaa tggctttggc tttatagcac gaagcaggca cccnctcggt 60  
aaaggcacac agtcctctct tctgccccac ctctgggtc cttaaaatcg agtcctgagt 120  
tccagagggg tcaactgcaag gcagcaggga agggagaggg tcacagtttc actctgtgag 180  
tatcagacac ccagggccaa ggcccagact ggcctctgaa gctaaagg 228

<210> 767  
<211> 244  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA370359

<220>  
<221> unsure  
<222> (1)..(244)  
<223> n = a or c or g or t

<400> 767  
ggttccttta agcttattta atatttgaaa tcttatttnc tatttnccca gaccccagaa 60  
aacagaaagt ttttagatga ccaatatttt gttccagaaa catacagcct tatcagctaa 120  
ttgcataaaa gagcctattt tacaaaggta catctggata attaggaaca ataaagtntc 180  
tttagggcat ttgcaaaatg tggatcagta aaaatacatg gattattcaa taaagttttt 240  
ttaa 244

<210> 768  
<211> 377  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA372018

<220>  
<221> unsure  
<222> (1)..(377)  
<223> n = a or c or g or t

<400> 768  
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tagtaagcat tactgcctat cttaaagtct ttcagagctt tgggcagctt tgggcatctt 120  
aaggcatcaa gtatacagaa atttcttttc gatcttaagt gccagttatc accaattttc 180  
acacaaacct tttttttttt cttcctattg cagttaaagg gccattgcca gtcagctgaa 240  
gaaggaaatg tttgcttctc cttttaaggt gttaaagtaa tgcacagaaa ataaaaatag 300  
cagcctcata aatctgcacg gcattgcatt caagcaaagg gncaatatga gtaacttagg 360  
ggaaatatcc acattca 377

<210> 769

<211> 281

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA372630

<220>

<221> unsure

<222> (1) .. (281)

<223> n = a or c or g or t

<400> 769

ggcacatttt tgcctttggt taagcctgga acttgtaaga aaatgaaaat ttaatttttt 60  
tttctaggac gagctataga aaagctattg agagtatcta gttaatcagt gcagtagttg 120  
gaaaccttgc tgggtgatgt natgtgcttc tgtgcttttn aatgacttta tcatctagtc 180  
tttgtctatt ttncctttga tgttcaagtc ctagtctata ggattggcag tttaaatgct 240  
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<210> 770

<211> 306

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA376875

<220>

<221> unsure

<222> (1) .. (306)

<223> n = a or c or g or t

<400> 770

ggccccacaag ggtgcccacc tcttggtttc cccttttaaa aactcagatt tttaaaagcc 60  
ctttccaaag gtttcaactg taaaatactt ctttttacaa tgtatcaaca tatttttatt 120  
taagggggaat taacaattgc cagggaaacc agccaacca agtttattat atcattaacc 180  
ttatcataaa ttcaaacctt agttgctgga ccctgggtgtg aggncataaa tcttccaaag 240  
ttttgcctat cctaagagct gcatttttct actgctcttt accttgcatt ttagctaatt 300  
taggag 306

<210> 771

<211> 249

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA377087

<220>

<221> unsure

<222> (1) .. (249)

<223> n = a or c or g or t



<400> 771  
acggcacaaac ttgctatttt tattagaggt attgatgatg aatataatgt cactgaagaa 60  
atcgaaatgt caccatgcta ttaaaagaca caactaaatc aagngattta tatgaagcag 120  
tgaaaaaatat gttaaagcaa ttttctttgg cctttgtaaa catatgtgnt ataggctaca 180  
gatgctnccc tgggcgatgg taggtaaaaa gagaggggct tntacaattt aataggatga 240  
tgcaggttt 249

<210> 772  
<211> 156  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA381125

<400> 772  
ctgatgtggg ggtaactttt tgagggataa tgaaattatg ttcagcctca aaaccctgaa 60  
aattaattat aatgctgctc agtcttgctt atgcatttgt ttgctctaac atgctctttc 120  
cattaaaaat tgtaaacttc ctccattgct gttaaa 156

<210> 773  
<211> 161  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA382975

<220>  
<221> unsure  
<222> (1)..(161)  
<223> n = a or c or g or t

<400> 773  
aaaagtggaa caaatattt taatgtaagt tttatgtgac acaggagcct tcaactcaaaa 60  
accgagttaa aactactttt gtgggttaggt ttaatgaaat gnatggggca gttgtataga 120  
agtatgattg tancaaaaaa gggcatgatg gtcctcaatg g 161

<210> 774  
<211> 282  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA384184

<220>  
<221> unsure  
<222> (1)..(282)  
<223> n = a or c or g or t

<400> 774  
cttcattggc ccagcttggc gaaagcnagg cacactgctt actgccttgg ggttgtggag 60  
atggaccctgt gacctcgtgg aggccgtgtg ggggcagcag cctggcctgt gccatggtgg 120  
gtgtcctggg gcctgtgcgg agggagccac ctcaccctgc agcccagttt gcaggtgtgg 180  
ccttgtttct ccttgcccag cagtgtgcc ttcagcggcc gtgacggggc cagctggaca 240  
cacggtgaga tttntcgtg tgtaataaaa aggnattttg gt 282

<210> 775  
<211> 472  
<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA393139

<400> 775

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gacgcgcggg gccacactgc cgccccctag actggcgctg ggactgtggg acaagttggc 60
tgggtccggg cttgggggact gcaaccggtc ttctgtgctt caccatctac ataatgaatc 120
ccagtatgaa gcagaaacaa gaagaaatca aagagaatat aaagaatagt tctgtcccaa 180
gaagaactct gaagatgatt cagccttctg catctggatc tcttgttgga agagaaaatg 240
agctgtccgc aggcttgtcc aaaaggaaac atcggaatga ccacttaaca tctacaactt 300
ccagccctgg ggttattgtc ccagaatcta gtgaaaataa aaatcttggg ggagtcaccc 360
aggagtcatt tgatcttatg attaaagaaa atccatcctc tcagtattgg aagggaagtgg 420
cagaaaaacg gagaaaggcg ctgtatgaag cacttaagga aaatgagaaa ct 472
```

<210> 776

<211> 385

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA393825

<400> 776

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ttttttaaag ttaaaactttt aaagttaaaa gtgaaattta ttacaataca ataaatgcaa 60
gtgtcattat taaaaatgcc ggtaaattt ataaagtatc taaataattt ttctaataata 120
aatattggaa atgacaactt taacaattct atatgtacac aggacactga aaacataaaa 180
tcatgaacaa ggccaaaaaa taacgttgca cattaaccct ttagttatta ctttctattt 240
tccagtccca gcatcattac tgctaattac tcagatcaca agcctcaagg attaagtgtt 300
ttgaatgtat ttcagtttca tactttaaca atgcttaaag actattgggt gtattctgat 360
caaatgggtc tccttcccat atttc 385
```

<210> 777

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA393961

<400> 777

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gactgggttaa aaacttgtgt atcccgggaa ggacctgcgg tacaggagtc agccatgtct 60
gtgctgtgtg gaacacctga tgacatgggt aacgaggaag acgatgtgtt gaccggctgc 120
cgtttgagga ctttggtcac ccagactaga caccttctgt gctcatgttt ggaaagctga 180
aagggaagga cagctgtgcc tcctgggagc tcatgtgtcc ctggcgctgt gctagctttc 240
ctttacagct gtttacagac aaggcaggcc tgaggcagat ggccactgct cttgtgatgt 300
ttgctcagag gaatatgaac attttatttt tgaaaaggga tgatgtgggt ttttgccagg 360
tgtttataat taatccttta atattatggt tattaacctc ttaaacatga atgaattctt 420
gattgtt 427
```

<210> 778

<211> 313

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA394121

<400> 778

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ggggcagagc agctggggga caaggaaaac ctggcgcccc ccgctgtgtg cccacccggg 120
```

gacataaact aggcggcatt cctggcatca aagcacaaaa cgcaacaaag aggtctctgc 180  
cagtccatct tccaggcacc caggaggagc aagggtgatt aagggaagat tcccaaatg 240  
ttgaggctat ggagaaaaac gccttagtcc tggaccctgg tagaagccgg tgagagaagt 300  
ggtgacttgg aat 313

<210> 779

<211> 114

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA394258

<400> 779

ttcttttttt taagcttcca cctcagtgtt ttactgagac cagcattggg gcatatgagg 60  
cacaaggaat ccagctctgt tccctagaag ccatccacaa ggttttcctt gtag 114

<210> 780

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA397841

<400> 780

atttcaccta ctatttctga atatattttg caaattgaat tggaatagga attgatatag 60  
cagtcttaaa cattagtagt gggatttggc tatggtccag actgtgctcc ttatagagaa 120  
tttgatctgc tcagtgtgag cggtttgctg ttagccaggg ctatttatgg caaacacatg 180  
cttttgtatc ttgtcatagt tatccacaaa tggcaaaact ggacttgatt ctactggtat 240  
gcaaaacagg catgctagta agcagtcagt cgtggctcag aacttaaccc catagctcag 300  
aggaatgctt ttagcagaaa acaggaaaga aaatatccct taaaattttt ttttgaatgt 360  
gtggaagtaa ttttagtata attagatttt ttccatattt ttgaaagatt tttcagatgt 420  
gaacattaaa ataggga 437

<210> 781

<211> 401

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA397904

<400> 781

tttttttttt gttggttcat cacaaccttt tatttcacaa tattaatagt aatcattata 60  
gctaccatgt attaagcctt caccatgggg ctgttaagtc ttcattgctt agctttacta 120  
aactagataa tgtgtttgct tatctcatgg atttctctta accatccccct gagatcccc 180  
tatagttctt atccctttac ccccatttta cagaagagga aaactgaggc tcagagaagg 240  
ggagtcaact ggccacagtc gcacagttgg aaagtggtag agccaggatg agacgcta 300  
tctgactcca aagctagtta tatataataa tagcacccaa gtaatgtata gattaccatg 360  
ttttcacata tggcaaatta aggaatcaga atgaatgatg c 401

<210> 782

<211> 453

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA397906

<400> 782

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tttacatattc agtctatttt ttattataaa caaataaaaag attaaatcac acatcaaaga 60
cctagactcc ttctctgaga caccaaaaggc ctaacaacca gtaagataat tttagacaat 120
tctattgaaa gttattcaaa aggcattcaag tcaaaaataac gaaactgccc cagtaaaaag 180
gggctggggcc tggggggcagg aaaggcaggc atgagggccc agtagagggtg gacctgtccc 240
aatggtaact gagctcggct ttaaggccag gcattgggga tcagctgcta ggagcccacc 300
tgtgttcttc ctgaggggtg ggggcaccta gtcactgcct agaggacatg gtccccacc 360
agcctacagc atggaaacac ccaatgtctg ctctagccta ttcttaacct acaactggga 420
tgggagctgg ggacaggaga aggggtcatg ggg                                     453

```

<210> 783

<211> 327

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA397914

<400> 783

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tttttttttg agctcagagc cttcttttatt atttgcttca cgacagagca aaggactgca 60
gcagggtgac tgatataaaa gttttaccat gtctcacagc aggcctttgc tcaagtttcc 120
agtaaggata ttgtatcatt tcttgccctgc agtacttgta aatccactta cactgcctgc 180
tgttgagtca tttgtttcgt cttgagtagc atgtcatcct tgttcctaga agatagttag 240
tttagagaca gtagccaagc aacagcagag cagcctcaac caaaacgatt ttccattttg 300
gtgggatgaa ttgaaacaca agcatct                                     327

```

<210> 784

<211> 388

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA397916

<400> 784

```

tttttttttt tttttttttg catttcaaat attttaatag ttttatttcg caaagagaag 60
cctaagaatt tttttaaaaa catttccaga gagaacactt tataccataa aataaacttg 120
tataatttgg gaggacaaat catctcaaat gtatattttt gaattatgtg ccaattttat 180
aattagtaca aaaatgacag ctgaaatatt ttaaaaatgt aaaaaccagt ccaggcaaca 240
taactatacc atcttgctgt aaaagtactt atatcgaatt ccgcacaaaa tatttttgca 300
atatgctaaa ttttagttctt caagtcactc ttcactgccc gctggctttt ccattttctg 360
ttgtctccat cccattttcc tctttaag                                     388

```

<210> 785

<211> 440

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA397919

<400> 785

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ttttctgttt aagaacagct gggtttattct tttgatttat tgtaggtatt aaaagtttct 60
tttgtgagat ggcacatagg cagggttgggt gtttcctaac actatgaata tcttaaattg 120
cttttgaaag ttttatccac aaagaaagaa aaataagggt ttccctcacag ttgaaaaatg 180
tttttgaaaa aagggttaaga ggaaaaaaat ctaaatacca tccttgataa agaaatggaa 240
cttcaagtta aaaatgacaa tttaaatgaa gttttataaa atattaaaaa cttagctaaaa 300
gtacatgcat aggcatttaa tcaaggtaag aggaacagca gtggaactta aatatgatac 360
aatttatcaa caataaataa acatttcagt gcaaatagtg cagaaaaatt tctcaaagat 420
catagcaatc attctaattc                                     440

```

<210> 786

<211> 388  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA398102

<400> 786  
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gggagacaca ttacacaatt gttatttata caagtttaga acaaaaaact gcacagggag 120  
agggtcaactc tcagtacaaa ctagcaacta aagcacaata atttactgtt agaaacgatt 180  
tctttctttt tagctgtgac actgctttta caatatgcaa aaacacaagc agaactaccc 240  
aagggtgtgtt gtcacattct ttctacattg aatttggcaa cattttattt attcagatta 300  
tactaacgtt taaaaactaa acaagtgaag agctgtacca aggtacagtt acatccattt 360  
atttcaaagg tttagaatac cactttta 388

<210> 787  
<211> 519  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA398124

<400> 787  
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tctttgctta tttgcaatgc acaaactatt tttttgtaac ttgcaggtga aatacattct 120  
ttcacatga taatgttttc gcccttattt atggcttttt attatttttc ttgagtcctt 180  
ttccttcaat agtttaataa gtcacttctg gcttgtctag agagcaatcc tagcacaata 240  
atgtttcaac ttgcaaggaa gaacgccctt attgagttga tagaactcca ccagctgtat 300  
tagatctgta aatcttgtgt ggccatcatc cagtgtgtgg aacatttcac cgtcatcttc 360  
tactggtata atttgaaagt gctttatttt ttgtccatga ctcatgaca gtacgaaagt 420  
tttgggggta ctctgactat cccgtaccaa gaaaactcca tccacaagtc cttgctgaat 480  
tatcaatcgc tgagcctcat ctctagaat tttgtggtg 519

<210> 788  
<211> 364  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA398141

<400> 788  
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agaaattaac atagcttctt catttctcct ccctgacaac cctcatctac tgaaagggct 120  
ttaagggcac actgccaatg aaaatgcaga gtgcatatac catgtcctta acttggttca 180  
aaactaccta ttctggcagt atccaattca ggtttcagtg ctcccttgtt tgaaagtgg 240  
cttcacaaaa gccacattt taaagctatt tggaggagca caaagagtta aagtggtaat 300  
agcctttcag aatttgaaaa ggtagtactt gtctatatca gggttcattt ttatgtggca 360  
tatg 364

<210> 789  
<211> 451  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA398205

<400> 789

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tttcagtttt ttaaaaaagc aaagtttggt aatattttatt atcttatttt tagaacagaa 60
ataacattaa aatagatggt tttagaatat caacatacaa tcaaaaacac aaagtccaag 120
gatacctccc atctccaagg cttaaagggc agctatccag ctgtagtcta ttttcctaaa 180
ttttctcagt tctttttctt cagattttga caactgatgt ataatgtctt ctcctaaacc 240
tgtgttactt gtatcctgga ctttttcggt aaaatcattt tcttcactctg aatcttcact 300
ttctttttct tcttccatat ctacatcttc aggaatttcc ttagcactct tagtctcttt 360
agacagcagc aatgaattta caaacatgga gcacaggaaa gcagcagatg gcaggacatg 420
ggctggagtg tgaagaagct cactaattgc g

```

<210> 790

<211> 455

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA398221

<400> 790

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ggaacgaggc agacacaaaac atgcgacagg caggccgtgt gcccgagggc agtcgggctc 120
caaacaccaa ctctgtccgg cgaaaccagg gcgcacgtct tcaactgcagc ggggccacag 180
ggcgccccgag cagtggaaat gcacattctg ccacttgccg tcgcgggcggg gccatacgcg 240
ggtctcctca gactggctgg tgcggggccg gccctgtccg tcaatgtact gcgtgacgcg 300
gatgtaagcg atgcaggcgg catcctctcc aatgacgtgc acgtgtgggt tcaggatggg 360
cgtgtggatt ggcttgctgt tcttgccag caggttctcg aagtagaatc tgtggaagtc 420
catccttcaa ccaggttgcc cagtgttca ggctc

```

<210> 791

<211> 498

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA398257

<400> 791

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gtttaaaaag agttctacac aacaccctag ggatgaggaa gaatgcctca ggggaagaaag 120
cacagaaaaag gaggtgccct cccgaggctg ggactgagac ctctcgctg gagaagggtg 180
gggaggcccc tgagggtgaa gttccccggg ttgctcgagc cagagtctgc acagtcacag 240
ggcaagcaga aaattctttc gagagggtgg gcgctcacag ggaatcgga agcagagccc 300
acctgcctac acctgaaagg ccacagccag tgctgggacc tctctgaggt ctgcagactc 360
caggcagaca ctctggcag ctgtgcagca ggagcaggaa ggaaacgaca tgaaagcccc 420
tttctcccca gtgtcccagt tcaacaccgt gcacgtacc aaggagaaac ggcgcacggg 480
ccccacccac gactgcag

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<210> 792

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA398280

<400> 792

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caacccccca ggcacttcac tgtaggacag ttagcaccaa gagctaagg tgtgagataa 120
tgcaaactctg gcctgtcacc tctgcagagt acaggttccc atactgtgag gcagcagcag 180
cagagggaac caccagagaa acagcatttc agaattgtct ttcttttgg gtatggatat 240
gtgtgtgttc tagtctttgg tgggcaatgg aatctgcagc tccatgacaa tcttggttaag 300
tagcttatgt gggaaagtgt tcaggtcaca agggccaccc attctaaggc ttctcactta 360

```

attccccagg ctaagagaca ggtggggaaa ggaaaaaacct agcaccttgc tatactgaat 420  
tggaa 425

<210> 793

<211> 536

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA398386

<400> 793

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ttcaagctac ttgacttgtg aaaaacaaaa aaccaccatg acttctcaac aaatacattt 180
taaaatgaaa tatgctcagg ctgataaaca aacaagatat taaaatggag actgacattg 240
aactacatag tcaacttgaa aaacacaaga agacaatgct cctataaaat gatatatattat 300
tggttttaca aagacatact ggtttatgtt tacaactatg ttttattttc aaatggtaaa 360
ggaaaggctt catgttgcta tttgaaagta cttctcaact agccgggcat ggtggcataa 420
ttcctgaagt aggaggatca tccccttgag gccaggaggt ccaggctgca gtgagctgtg 480
attgtgccct gaccatagct tgggtgacag agtgaactct gtctcaaaaa aaaaaa 536
```

<210> 794

<211> 254

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA398422

<400> 794

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cacaaatgtg agcataacat aaacacaccc aagactcact agcccctgca agacaggaag 120
cattcttggg cagagagtct gcaaattgagt ttccttatac ctaatgtctg aacttctcac 180
tcattctagg gtttcatgct ttgttatctc ttacaaagga aaggaaactg gctagaagat 240
tcatgtacaa gaag 254
```

<210> 795

<211> 283

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA398423

<400> 795

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atccaaagca attttattct aacattgttc accttcatct gtagagtcaa atgtatctgc 120
cagcttgtgt tgacaagggg gaatgcttcc catttggtca aggttgaggg acagtaaagg 180
aatcttgtat tctaattgagt acagcatcct ttcattgtcc aagccatcca ccttaggctt 240
tgaggttcaa gtccaggtct ggagaagaga aagtttcata ccc 283
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<210> 796

<211> 546

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA398445

<220>

<221> unsure  
 <222> (1)..(546)  
 <223> n = a or c or g or t

<400> 796  
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 ctcatTTTTg acaaagagga aattgaagtg gggacaggac gggtaacttg cctgagaaca 180  
 cacagtagga agtggcagaa ccacttgga cccctgctct tatctgactc aatctccgag 240  
 tctataccag gaatgggggtg ggaggccctc cagaaccgca gaacctcagt agtggtggag 300  
 ttcgtgttg agcttctcaa caccctggaa acagtgtgtt ggcacttctc aacacccctc 360  
 aagtgccatc agtccttga cgnagcggag acaaggggcca gccacctcac caaagacctc 420  
 aaccccagct ctctccaca cagacgaagg gggtcccagc agggatgtgg ggtccgagct 480  
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 agtttg 546

<210> 797  
 <211> 506  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA398563

<400> 797  
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 gaacctggat gtaagactac atcctaaca cctgtgtgtg aagcctttta ataaagtaac 180  
 agatttttaa tcagatagat ataaaaagac tgaagaaaaa cagtaacttt tccttaagtt 240  
 ctcttatcca taaagaatga caaactccat atggacagta aagtttagagg tcatccaatt 300  
 taccaaggca ttttgaacac ataaacctta aatacctact ttaagcccaa acaaggtaaa 360  
 aataatcggc atttcattgt gtcctgaagt ttaattttac atatcatgtt aacaaattat 420  
 agaaaataaa ataaaagcat tttccatttt tttgaaagta cacatcatta cttctcccag 480  
 gtacttcagt aatttaagct taatac 506

<210> 798  
 <211> 524  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA398674

<400> 798  
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 aaaatagagg tctgtaattc ctttttgaac atgccttcga agtggaggtc tttggccatg 180  
 agctcttctt cgacatcatc tagtgccac tgggtgatccg tcagctccaa agcttccac 240  
 tctgtcttga aagctttgtt tgtgtctgcg ggcattggcca tggctgctcc cgtcatctgc 300  
 tcttgcacat ttcgtgattg gtcagcggca ttatcttggc ccagaatcag agagtaaatg 360  
 ctccgaagcc caaatacatt gaggaagtac caggatgcag aactcaccca ggatgcattc 420  
 aatgtgagta gctcgattcc ttgctgtaac ataggcttaa aacggagggt cagtggaaat 480  
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<210> 799  
 <211> 376  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA398761



<400> 799  
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<220>  
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<220>  
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<220>  
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<220>  
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<220>  
 <223> Genbank Accession No. AA399264

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<210> 806  
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<220>  
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<400> 806

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taatgggtgct aatggcaatc tagctaattgt gcaaatttag gaagtcttca gtactaagta 180  
cataattttc aaataatatt ttttaattgt ctacttttga tgtagctat gtcttgtgag 240  
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<210> 807  
<211> 401  
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<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA400080

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tgctaagcga cactagacta ataaccattt tctagaatta ggtgacctac ttctgaataa 180  
aattgaaact ggattgcgta ttcccttact aataataata ctaaataatat tcttaaatca 240  
gtttttcaaaa ttcaagatga aatctagaaa tatggaacaa ctagcaggaa taagcccgaa 300  
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<210> 808  
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<220>  
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tcttgagggg agtgccccc gtgcccagca caggggccagg cacacagtg tgcacgggaa 180  
cgtctgctga tgcccaccct aaggccaatc aaggagccac ggggctgggt cctggctctc 240  
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<220>  
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acagttcaat atctcaaact attcctgggt cagcagacta gtccttcac tttcacacat 180  
caatattttg tacaaaaagt tattttggca aaatctgtaa tgccaagaaa aaggacaatt 240  
tgcaattttca gtcattaagt ccaaaatcct atagccagca gtcagatctc tctgttttag 300  
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<210> 810

<211> 438  
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<223> Genbank Accession No. AA400246

<400> 810

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actctggggg ggccagaacc aaggcagaat tcagtcactg atgcagttcc aggctccatg 180
cagctgagga ggagaggagg cagatgtgga cagttctgtc tcttcgttta aaaaatatat 240
tcctgtagag agttattgct tgtcctcccg tgggcaggag ggcgcggtgg ctcaagtggc 300
cagagccgca gcctccaggg cccgagcttt cttccgcctc ttcagcagca gaggggttga 360
tgcattctca atctttttta tcttgatctg ctcgtagtca acgcgcattg tggccaaggc 420
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<210> 811

<211> 400

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA400251

<400> 811

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cagcttttaa atccactctt gtctgccact cctttatgaa atattgaaa gcagctctgt 180
acctcagcat taaagggttac aaaaagcacc attaaaaaga ggactcacat atttaatccc 240
cttcaaagta gtcttatctc tcctttctga cagacacaga gctgcactca ttcgaaatgc 300
tgccgtgtaa taccaaccaa catgctccaa tgtacaaaaa ttcaaacaag tctcatttat 360
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<210> 812

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA400258

<400> 812

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ggaaaaattga gaaccatttg ctcttatgta acctctgctg aacctgacc ccaaggtcta 120
aggagaaacc acataggata aatgtttacg cttcacgtgg ccaccagat ccatttttgt 180
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ttgggcgcct ccatttgttt cttctgcttc cctaaaaaat ttttcatatt tgtccaggta 300
tggtgggtcgt tcaggtagta ggtaataatg tgttgaacta accttcttcc cattttcaat 360
aatgggcaga atgaaggaac cttactggca gatccttcgc tgttctgtct t                                     411
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<210> 813

<211> 417

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA400259

<400> 813

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 aggaagggtg caagaggtgt agatcaaagc tgagctggga caaaaggctg ctttgagcct 240  
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 atcgccatgg agggatcctc caagctccca ctttctgtga tttcagagtc cctcagactc 360  
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<210> 814

<211> 417

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA400271

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 gcacatggta tctgagctgc ttacattaca agaaaaagga aatacagtag ctgaaatatg 180  
 gcactcctgg gaatcaactt ctaaaccaaa tagaatgcct ttgaaatgat taaatttatt 240  
 tgtgtattag taagaaagcc ccaccacat aaatagtaca atatttataa ataaaaaaaa 300  
 atatatctat ctaagataga tagtgtattt gtactgttag acttctttaa gtgcagaagg 360  
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<210> 815

<211> 340

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA400333

<400> 815

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 gtatgtgctg tgtgagttag aagtcattct tgctgagaag gtgaatagggt agggatttgc 240  
 cttgttttgt aagtctacaa tttgccaaga gtaaataaca ctggaccagc tgtaaaagta 300  
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<210> 816

<211> 391

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA400471

<400> 816

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 gaagggtttg gaatgttctc tcctgttctg cagggtgtgct ccacatcccc agccactcag 180  
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 ccatctatct gtcccaacct ggtaggccac cttcctcctg ggaaaactgg aaaaccaaag 300  
 aattgcttct gatcagatcc ctgggaagat gttcaccagg atgtaaaact tgtctaaaaga 360  
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<210> 817

<211> 439

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA400643

<400> 817

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cctgcactca gtcaccccga gggctgagca gattcctgga tgtgatggac cagctcagct 180
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tattattgaa tgccttagag gaggcggggc gagccctgat tctgaagacc tgtggcccag 420
cagagcctct gacagtaaa 439
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<210> 818

<211> 223

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA400780

<400> 818

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acagaaggcc aacattttaa ctgaatgata attaaacgtt tactaccata ggtaatat 180
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<210> 819

<211> 326

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA400831

<400> 819

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gaaaaagatt tcaagaaatg acagtatacc tcgaatgcaa aattccaaag tcaaatagct 240
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aaaaagccta tttcttttat ggtgtc 326
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<210> 820

<211> 323

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA400834

<400> 820

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ggttgaatga ttttctatta attagtagta cacagctatt tttatcaatt tatgcttaaa 180
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cttaagctgg gtgcatttaa aat 323
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<210> 821

<211> 332  
<212> DNA  
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<220>  
<223> Genbank Accession No. AA400864

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gcaaacagaa tgaataaaaa aaaaatattc tcccaacctt agtttccgtt cctcattttcc 180  
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tgggctctga agcagtttac ttctgttgga ag 332

<210> 822  
<211> 421  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA400896

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<210> 823  
<211> 461  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA400915

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tcagctacaa ccacctaaaa ctgaaatttt ctgtacttag t 461

<210> 824  
<211> 471  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA400934

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ataagattca caaaagctga attcagtggt attagtcctt cattcagatg cttcattttt 420
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<210> 825

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA400979

<400> 825

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ctctgggtcat ggacacagcc catagcgggc acagcatcat gatggaatgg actctgcagg 240
ccacgcatgg ctctgggaa cccccagccc ctccccttct ctcccagcct ttccagctgt 300
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<210> 826

<211> 302

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA401091

<400> 826

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tatatatcag gaaaaaaatg cagcaaatat taaggatttc aaagtaattt ttttgaactc 180
agatgtgaca tatttacaag aaaagtgtgt acgtttttaa ataattaaat aatttccata 240
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ta 302

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<210> 827

<211> 262

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA401151

<400> 827

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gatttataaaa aaaataaaa atatatattat acattttatat atatatatat atatcacgtt 180
atgtatgtga gtcccagaca agcaggaagc agcagcaaga agcaactagc acacagaaac 240
acccgtgcgt gtgcactaca ca 262

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<210> 828

<211> 411

<212> DNA

<213> Homo sapiens

<220>



<223> Genbank Accession No. AA401343

<400> 828

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gttgggctgt ctcccagggtg gaggtacctt tctgagtgtc caaacctat acccagtgga 180
gatggagaaa gcttgatgac tgagtgaaaa tgaaggctag tgtcagatcc ttcacttgca 240
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atgactccag ggctccctct cctggcacca tgctgagagg tggcagccct actgagactc 360
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<210> 829

<211> 391

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA401376

<400> 829

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aatcctcaat ctaccatata attgatattt gaaaaaaaaa acccataaat attctaaagc 180
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gatgaacaac tctgagggtcg gcttggtgtg atgggggagc gtgtgtgggt gacagtgggg 360
agcctgctgg ggacgccaag ggtgctgttt c 391
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<210> 830

<211> 266

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA401562

<400> 830

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accgagtgtg ttgggggtgg ggtggctggc tttgatccct accccagtgg gttggccagg 180
tgatcagagc ctccagggtc cctcacacac agcctggtac atttctgccg tcagggcccg 240
aaggactggg cccggttgct cagtac 266
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<210> 831

<211> 516

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA401825

<400> 831

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caaaaagtac agtgtaaagc acctcctcgt taaatacaaa ctttcaattg gtgatgcacg 180
gcaccaatgt ttgcatata ccttgatgca aagaaaagtt taagttgcat cctgttttta 240
aaaaaaaccg aaacttaaga actgaacaag gattacaacc acattccaaa aagaaaattt 300
tccttcaaca aagcatattg ttttgtttat atacaatatg tgaccaccaa gagttttaat 360
ttagttgtac caaaggcaaa acattatact taaaattaaa ttacagatgc atgaagaata 420
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<210> 832  
<211> 470  
<212> DNA  
<213> Homo sapiens

<220>  
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ttacaggcat acgccaccat gcctggctaa ttctgtatct ttagtagaca cgggggtttct 180  
ccatgttggc caggctgggc ttgaactccc gacctcaggt gatccgcca cctcggcttc 240  
ccaaagtgcg gggattacaa gcgtgaccac tgcgcccagc cagtaactgc catttctaaa 300  
gaggaagag agcaggcaga gggtcctgac tcccagggga caggtagttc agctggacaa 360  
tgagggagta tgagattagg gtggataagg aactgctca ccaccctcca ctgaagtcca 420  
gtggctaaaa tactgctaca ccagccaatc agtggaaggc tatcttgctc 470

<210> 833  
<211> 378  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA401965

<400> 833  
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cctgctgggg gagaaggagg ctcgggacaa agtgggagaa gtgctgggaa gggctgagcg 180  
gtagggggcca caaaagttcc ggtgggcaac actgtcggca ggtcatgggt gggactcatg 240  
gggacctcgc tgctaactct tgttggtggg ggggtgtcctt agtgctgcca cctggagggc 300  
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<210> 834  
<211> 417  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA402006

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tccatgtaat caaagtgaac ttaaaaatag gacagtttca acaagtcagg agattcacag 180  
caactgatca aaggagagtc agtcaacgtg agcaagcgtg attatgatga ggaagcccc 240  
tctgctttta tccacacaag gaacgtaacc tgaagtaacc tgatgttaac caatctgctg 300  
tgtctactat gctgtttcct tgttcctgct agtgctgctt taaaaatgca gaccattcta 360  
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<210> 835  
<211> 366  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA402095

<400> 835  
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 aaaaaaaact tttaggcaca agatttttaa aataaagaat gagacaatga aaccaagact 180  
 ggaataacag aagtaacaaa aactcacatt tcctaactct tcaattgggc ttgtcttcca 240  
 acctattggg taaggcctga gtttcagaaa tcctaccttc cttgccaaat agaaacatcc 300  
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<210> 836  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA402224

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 ctgcaactgt accaagtcca gggcgccgct ccttcctgcc gagcgaggc tgctgagtca 180  
 cgctgcccgc gccagtctgt ccttcctggc cctgaggcca acgtcctagc ctaggccttc 240  
 ctgggcgagc agccgctcca gacacttgca gagtctcag ctcggaccag 290

<210> 837  
 <211> 359  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA402272

<400> 837  
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 aagaggggtg ggatggagga cagcagcagg gccgacagac ctaacttctg ctcccgcctc 180  
 cagacgatga ccatgccgct gggttcactg gaggccagta ggctctcgtc gcagttgaag 240  
 ctgacatcaa gcacaggtgc actgtggccc tgcagcttgc tgacagcagc cttggccgcc 300  
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<210> 838  
 <211> 236  
 <212> DNA  
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<220>  
 <223> Genbank Accession No. AA402495

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 cagatgcagt ggcttccctc tccccacct ggggtgtggc ccatgggggtg gagacagaga 180  
 ggtggcttta aaaaacacag ctgtactaat tcttcacttt cacagagaag gggaac 236

<210> 839  
 <211> 329  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA402610

<400> 839  
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 cttgttcctg cttaaattag ctgtttatctt acaatacaga aaataccaaa aaattgcagt 180  
 cctaaatgta tgtataacac ccacaatccc cgcaatgaaa tagtttacia tactttactcc 240  
 atattttacat gagtgtaata gatgctaaat tatacatatt aacaaactaa gcttgaatcc 300  
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<210> 840

<211> 150

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA402642

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<210> 841

<211> 271

<212> DNA

<213> Homo sapiens

<220>

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 ggagacgtcg gagccttctc cagcacctt ccgagctggg cccacgggtt ctgttttgtc 180  
 ttttttagctg gactcacacg tatggacaga cacagacacg gacgggggtca ccgcatgggg 240  
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<210> 842

<211> 531

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA402799

<400> 842  
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 ttaagaaaca tagaaatcat gtgaattgta ttaaaactat gacatatgac aatattatat 180  
 aaagaaaatt ttaactctaa gagacaaata taatttttta aaaaagaaat taaaaatatc 240  
 acgtcttatg ctaaatatat atagatatat ttattatgat gcagcagggtt ttggaatata 300  
 gggatttagg caagttaaaa ataaaaagtt tatatgctta aactttctga atattgtttg 360  
 tctgatttcc tatttaaaata tcagacatca ttataggaaa tacatagtct acttacgatt 420  
 gcaatggcac tttcaaatat aaggcaatta atatttttaga aagcagcaac ttttactttt 480  
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<210> 843

<211> 457

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA402937

<400> 843

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aacttccact ctggctgtga aggactagcc aattgctaaa tgtttcatca cggaggtgct 120
cgatcatatt atataaaaca ctgcaacctc cttttcatta catccttcat atattatgga 180
tccatcatatc atttttaaca aattagatga aaacagctag aaaaagtaaa cagaagtttt 240
tgagggacag ggccatgaga gaggcagaaac ccagggagca attttaaatt aatttgacta 300
aaataaagag tatagtcttg caaaatgtgt acggaaggga gtgggcacat gggaacaggg 360
cagagcaaca gcagcactca ggatcctttc atcagaaaagg ggaggcattc aggaagactt 420
cagttgagaa aaaggtgttc aaaagacatt caatgac 457
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<210> 844

<211> 418

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA402968

<400> 844

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gacaagtccc cacacgtggc caaaggacag caccagact ctgcccctga ccagtcaatg 180
tgcagcaaac ccacttcagt aggcagaaga gtctaccctt agggagaagg cgccaggagc 240
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tactcccac tggaggcgct gtgtatgcag ggcccggcag taagcccagc tgcctacagc 360
caaggcccag cgacagacat cctccttcgg tagcagcagc agcctgtcct cctccagc 418
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<210> 845

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA403159

<400> 845

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acaccttaac aattatgaca aggcaattat aaataacttt ttttccttag taatatatat 180
ttgctttttg aagtacatta aagagctgcc atatctaggg ttagctagga aagagcaatg 240
gtaccatcct gggagcccac ctccctgaaa gattagactc caattttcaa aatcctaagg 300
tttactagtt ccataatata cagtcaagca gagggctact tgggttgaaa gtattgattc 360
ttgaacctta acagcgtttt accttttagt catt 394
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<210> 846

<211> 536

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA404214

<400> 846

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accccaaag gatgttcctg ccttggtggc ccctgagccc cttggggagac tgagaatcat 240
gaccagattc atccagaact gctgcagtgt taagtgaata tcctctgtag ttgttctgca 300
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gaggaacctt ccttccatta gaaaatttct gctcaatata gaatggtcca catcacccaa 360  
 agtgcactgt tggagatgct gtgaaattaa aacctctttg tacctgagac atctagattc 420  
 acctcaggag gcctgaagga aatgtgtaac ttgtgggaaa gaactagaca accatttagg 480  
 aattctctag atatactcag cctaaccagc tggcttaaca caaggagatt ggcttt 536

<210> 847

<211> 485

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA404248

<400> 847

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 taacataaaa ttcatgtcac ttatcacaaa gacagtcaag tgtataaagg agaaacaaaa 180  
 cagaagcagt atttacaagt ttaaaactaca tgagatgttg tgaacaatct tttgttaata 240  
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 taaagcgcgt agtggtgaag acttttaaatt aaatccaagg tcatcatgtt gaagacctga 360  
 aattaaattc aagggtgtag tgatgaaaaa tttaaagtca aggtcttagc gataaagact 420  
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<210> 848

<211> 579

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA404252

<400> 848

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 ttaatcttat gaaatcatct tgagatcatt catgggtcaag ccatgaaaac tcccatcttc 180  
 aagcctgcct gctaaagctt ctttgccctc ctgattgtga ttatggtaac aatttatatc 240  
 agacagttgt actttttgat aacttaggga aaacagaaat gacttgaaca agggattgcc 300  
 tgcctcactg cattgcagag atacaatttc tgtaaaagaac acaaatagca gttgtgaata 360  
 ttaagggtgtg attatctttc cctgtccatg tgcttattga aagaagatag tgaacaaatg 420  
 attatattga ggattttttt aattttataag atctaattgt aaatccacac ttggaacttt 480  
 ttagatctgt ctggttgctt tttaatatat ttcttttatg acattactta aagtttaaaa 540  
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<210> 849

<211> 174

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA404338

<400> 849

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 acagggtcaat atcgtagact cagggaatgtg ctgcacaaac tttatccagt tagcagtgat 120  
 caccctgtga cccacacaca gcttcgatat aagcctagaa agtcttaaca ttaa 174

<210> 850

<211> 528

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA404352

<400> 850

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aaattttaca gagataaagg gtatgtttgt tgctcacaac ttacaaataa taataaactc 180
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ttgtttacac tagtgaggaa gacaaaagta aaacaatgaa aatgaatgtc agaactcctt 480
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<210> 851

<211> 286

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA404487

<400> 851

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acagggatag agataggttc agcaaaccgc acacggtacc tcaggggaaa ggcaataagg 180
tgggtggtag gcacacaggg gtttgtttat tgtcattatt attactcttt atacttttagc 240
atatatatta tatgtgtata tacatatcta tattccattg catgta 286
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<210> 852

<211> 285

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA404500

<400> 852

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atgaatttat attttaactt gccatgtttg aaaatataaa attgcatcag aaaaaagtat 180
tatgaaaagc aagaaacttg aactgataaa gctttgatat aacttttagt gatatactgg 240
ttgaaaaaga actaatttaa aagggtacagc tgagtagctt aaagg 285
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<210> 853

<211> 267

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA404560

<400> 853

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ttttttaag ggaaatcatt catttattaa ggatcgcaag acaacatctt aatttctgta 60
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gtttccagta atatctatat ctctaatacag aattaagtct tccaagacat attacctgga 180
aataaaagcc tgttacaata agcaaagctt caaccagagc ggctactttt cgtgccagga 240
aaaagttcat ccctataggg aggaatg 267
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<210> 854

<211> 269  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA404597

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ggggggcctca aagactgcct ctcccctcat aggcggactc cccgcggggc cacgcttgatg 180  
ctgcaccttc aggtctcatc gaagtccacg ccaccagctg gtttcttact cttgaaccg 240  
gggttgatga gcgactctcc tggacaccg 269

<210> 855  
<211> 318  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA405098

<400> 855  
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ttatggcctt taaaactatt ggacaaactg atgctattta acattgttca cagccattta 180  
atttgaataa caaatttttag attctaagta ggccataact tctttgcaaa acaattgatt 240  
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agtagactgc tcttctca 318

<210> 856  
<211> 357  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA405310

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ctggagacat gcaattcttt ttatacaagt caatgcttaa aacagcaggc acttcatgtt 180  
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<210> 857  
<211> 414  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA405460

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ggggggccag agcaagaccg tgaccgcggc gggccagtag tcgccaggga tgaccatgag 180  
cgtgtgatgg ggcggcaccg ggcctctctg cgggcctagg cttctgcca gcgcccctgc 240  
tcagggcgag gggctgaggt cacacctcg cacctggact cctggccaat caaggcttgc 300  
cagctgggag gccccacacg aaagactctt accattttat taaaaacgca aggacctcag 360



agacgttctt ttctgtatgg acccttcctg ccatttgtat tttgtcccag agag 414

<210> 858

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA405494

<400> 858

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tacagttccc aagcagagca atacaaatat ataaattatt gcagttttca aagaaaatgt 120
aacagccaaa taattgccta cttttttgaa acaaacttgg tttttaccac agcagtttca 180
ttttcttttt ccaaaagtct taacacaatt ttgtaaagta aatttctaac gccagagaga 240
ttaagttcaa tgaccatagt atatgctact gtttttaaagc aaggtttaaca cacacacaca 300
cacacacaca catcacaca cacacacaca cacacaaaat ggaactgaac aaaagtcact 360
acttaatact tt 372
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<210> 859

<211> 377

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA405495

<400> 859

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ttaaacaatt tcgttagtgg atcacaaatag cttctaaaac tgcctttcta gtaaaggcca 120
tcagagaggt aatactaaac tgtgcatttg ccaaataaga atatgaattg tataaaagct 180
catttccaat cctagatcaa atggcaaaag ttctacaaag ttggttttcca tgtttgtata 240
aaagctccga ctgattttat gtattttgct atgaaattac ctttgggtct tataatcagt 300
atacctctac tcaggaatgt gcaaatgatt ttatacagca cgacgctagt accgctctgt 360
atgacagtaa ggttttt 377
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<210> 860

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA405505

<400> 860

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attttctaag atcagtatat tgttttcttt gttatcatca ttaggctcca taatataatt 120
ttacatcata tattattaaa catttatgac tacaagaaat tcttgaagct acttctacat 180
gtgatcatat caaagtataa attttgctaa caagacacgc tgtgtaccac cttacagatt 240
tatagtttat gcggcagagt tagaaatctg tgacaagtcc taacacttgt cacatctcaa 300
tgtgggtttt cttaaaaaaa gcagccaata tccatgtaaa cagtac 346
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<210> 861

<211> 187

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA405544

<400> 861

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tttttatgta gaaaaaggct gactttttatt ttctctgcaga gcatcttcct cgggagagca 60
gggagcccca agtcatcgag ttaagagcag gagaatcccc ttgactaggt tggggctctga 120
gcccagaggc agggcctaaa ggaggtgcag agactagggc cgggagtggg gaggcaagg 180
tggggcc 187

```

```

<210> 862
<211> 340
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA405715

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<400> 862
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tgacaaaagag caagtcaagc caaggaaaaa gctctcacaa agaacgtagc tctgttctct 120
taaaatgtgt aactgttttc ctggtagagc aaaatttctt gaaagggggc cagttgcgac 180
tttaagcagc gtttaaacag cctgcctccg tgtccagcat ttaaatacag acaagagaat 240
cggctgcctg tgggcctgcc tgagcctcag cctagcttgg agtctgaggc tccaaggagg 300
cctgtgtgta taagccatcc catgggcacc ctcttgaca 340

```

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<210> 863
<211> 455
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA405744

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<400> 863
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ctatataaga agctccacgt agtgcaaatc gacatctggg aggctgctcg ccccaggga 180
gcagctagag tctgtaattc tctgcgtcat cctcttcttt ttcttcattt ttgctttttc 240
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ttctgtatac atcacagagg ctcttaaagt gtgagatgga gagctggcgg ggccgaagag 360
tagggctcat gtctgccaac tctaacagcc tgcccgtgct ttccaagcgc tgcgcttcag 420
ggaataacat tctgagccct cgatggcagt atttc 455

```

```

<210> 864
<211> 427
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA405791

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<400> 864
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ctctgaaggg cggggccgga gttgaagtcg gagagggggc agaccgtcca gggtcagggtg 180
tgagattca taaaatagcg tttctgggtc acacaagatg gtcattgtctg gccaggccc 240
aggtggctcc tgttgggagg ttggggccaa agcaagggtta cactttggga ggaaggatcc 300
gggtaagggg gtacatggag gaagccccac gccagaccc catcacctt gggtgcgggg 360
ctcgagcatg tgcggcaagg agagccaatt tctccctgag cgcggcattc agaacctgtt 420
cctccgg 427

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```

<210> 865
<211> 406
<212> DNA
<213> Homo sapiens

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<220>

<223> Genbank Accession No. AA405819

<400> 865

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ggatggagcg gggcggcctc accaccactg catccagcct catgctccag agcggatttg 180
aggctcagtg ctgcagtga ggcctgccc ccttcttgcc ccttccccgc agccagacca 240
ccagacacag ccggaaccag tgccccaggc cctctccac ggccaggaac aagaaactga 300
gtatcaccca gtgcccaca gaacggggct aggaatcaag cccttagctt ttcagttaga 360
aaaacagacc ttgaaaaata tatacataat acagtggggc ctgctg 406
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<210> 866

<211> 474

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA405832

<400> 866

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ctcgtgatta tttctagcca ggggtgaagct aagggaaggta gcagtaggtg gtaggatcag 120
caccttggtt ccaggcatca cgccagtcat tttatttcca tcatcatcct tgtgaagaaa 180
tggaagtctg gagaggtgaa atgatgaagg caatctggcc acaaatcttc cttctggatc 240
ctgctcttca gggcatgcat ctcccatgct gaagggttaa atgggggtca tttgccaaca 300
aatattggag tccgcttctc cctgaaggct gccatgccct ctagccggtc ccgggttcgg 360
aatattctgg gcatagcaca tcccttcaat ggccatccca gatgcaatgt ccacctccgt 420
tcctcgggtca atggctactt tgcccagccg cacggcaatg ggggcctggg gaag 474
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<210> 867

<211> 405

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA405907

<400> 867

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gggcacatga tgctcagggt atgtggactt ttcatttttt tttttttttt tgagacaggg 180
tctcactctg ttgccagggt tgctggagtg cagtggcatg atcacggctc atagcagcct 240
ccaacttctg ggctcaagca atcctcccgc cttagcctcc agagtggctg ggactacagg 300
cgtgtgccat ggtgcctagc caacattgat cttttatcca gtgccaccac acacacatta 360
gcacctcaaa ggtgggaagt cagtcacag tcctcccctg ttgtc 405
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<210> 868

<211> 322

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA406125

<400> 868

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ggggagggtc gaggaggagg ggggtgaaggc aagtccacaa acagctctag tgcaaggctg 180
attatagtga gtgccagaaa acagacaagg taatgagatg ggggaatgag aaaaaagtgc 240
```

caacaaccaa cggaataca aactggggtg ggacatagct attgttctca gagatacgca 300  
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<210> 869

<211> 489

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA406126

<400> 869

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gcttctgtct aaaaacgggg atttgctggc gtatttcagc cagcttcttc aggtctatgt 180
ctgaatacac gattgcttct tctgtgccag ctttggctag aacctcccc caagggttca 240
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tccagtggtc agattaaaag ctcttgata taccaacagc tggcagcctc tctgtgcgta 420
gattgtgca agctctgcaa accgcatgtc gtagcagatg cccagacca ctctgcagta 480
agctgtttc 489
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<210> 870

<211> 340

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA406145

<400> 870

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cacggcatat tgcacaggat ggatggcaaa aaaaagttaa aaaacaaaaa cccttaacgg 240
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acaatctttt tgcttattat aatacagact taaatgtaca 340
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<210> 871

<211> 447

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA406216

<400> 871

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gctcctccag gcagatcaca cactcac 447
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<210> 872

<211> 419

<212> DNA

<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA406218

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tgattttata atgcacagct ctttcagttg attacaaata tgaagtatat cacctcagga 180  
tgcagagatt tttgaattct atttagcaat ttccaaaagc tgaagtctag aaccgaagac 240  
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tgatttaaac tttagaaaat aaaactttta atacttaaga gataacatga tgcaaacgtt 360  
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<210> 873  
<211> 434  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA406231

<400> 873  
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ggcagctggt gagaacagcc ttgggtcgaa ggcattccctg gtagaagtcg ggggagatag 180  
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acaggggaga aatgctgctg agaaggttgt gtttgttagg ttgatgacga attttacatt 360  
ggccacaaaa ttagctagag aaacttatct aaagggtggc ggagcagtgg ggagggcatg 420  
aagaaagcaa gacc 434

<210> 874  
<211> 460  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA406363

<400> 874  
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ggggcagaag tgtgtggatg acctgccaaa caataagtat tcaaagtgtt gagtgaagga 120  
ggtgaggttg caactatctt tctctagaaa agaagagaac tgggtattca tcaaattggt 180  
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atttgtagag atcgattttc cagacaggtc tctgttcttc aatgaacaaa tgataagaaa 360  
caatttgact ctttatatga caatggaatt aaataaattg acactcatct aggaataatt 420  
ctacaatcat ctccatctct aagattacct actgcaaaaa 460

<210> 875  
<211> 436  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA406384

<400> 875  
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aaggctatcc agcagcttgg caggtgggtc ctctctgggt ttctctttct tctcactctt 180  
cttttcttta gacttcgcac gttccttgcg gcggcggtca cgggaccttg atcgggaacg 240

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gggcccttct cgaactttgt cccgatccca ttcacgctct gatcgagtcc gctcccgcgc 300
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tggtattccc tgctcc 436

```

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<210> 876
<211> 450
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA406385

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<400> 876
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catggcattc ttgccacatc attcctcagc gtttacgacg gggagggggt gttgatctga 360
aaaaaaaggg aaaagacaaa atttaaaaat aaaaatgtat tttaaattaa aaatctgcaa 420
ttttaataaa ataattattat ataggatttc 450

```

```

<210> 877
<211> 468
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA406435

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<400> 877
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ttcctgtctt tcccgcagc tcccttaaac catttctgct tttcatttct tctccttttc 180
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tcccaagaat ctgacatggt tttaggcaga gaagaggctc agaggcctgc tgactcaaca 360
tctcttaca ggccttttga gtttctccag gaagcgctga ggttttctca gaagtcaaaa 420
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```

```

<210> 878
<211> 477
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA406542

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<400> 878
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ccaagaagct acactgagga taattcagct ctgatattgt gattactgtg atgttctttc 420
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<210> 879
<211> 497

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<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA406546

<400> 879

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actactactt cctgttttcc cctttactac tacaatttaa gcctttaaaa atggcaattt 60
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gctcatgtag ttatggccta tggacctctt tttaagttat tttagcagaa gtagatgatg 420
gtctacacct tgctcctctt ttatattaac tgtccctaag ccactctgat gactattcta 480
atcaaaatca gtatagc 497
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<210> 880

<211> 484

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA406610

<400> 880

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tcataggcaa gatccatta ctgatcagcc tgggagtttt ggctgctcc atttccaacc 120
tgggctgggt tcaccgctcc tgatgcaagt ttgtggtttc ctgcttcagg gacatcacca 180
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cctagcaatt attattttta atcttagaaa ataaattgtg tatagaaagg aatagtttagc 360
acatttatgt cttaaagagga ataaaaaagg acaactgggt ttacacaaaa tgcattgaag 420
tgactgattt gaagcagcct atcaagtaca ttcaaaccaa atggcacagg agattgtcat 480
ctca 484
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<210> 881

<211> 398

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA410181

<400> 881

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gtagacatag tctttttttc tttctcattt tacagcaaac attgcaaata tagaaatatt 120
tttttctgta caatagaacg actacagtgt acatgggggc tgggctgggg gacgtgcctc 180
ccagcccttg gccgtccttg caccceggcc gtccacaggc acagcctcca cccaccctga 240
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ctctgcagtg gactccggag gcggcaatga agagacggac tggacagaga atccacagaa 360
aaccacggac cgaggagatc acgtgagggg ccccgagg 398
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<210> 882

<211> 417

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA410255

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<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA410523

<400> 886

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gtttttgtttt tcgtggatga ggcttttaat ccgggggtcag ccaggtacag cattggggac 60
atccccaggc ccagggtctg cgatgtgctg ggaagggaact taggtagaga ggtgggaagt 120
gaaagcatag ggaggcatag ccctccagag gggaattcta agacagacag ttgaaggaga 180
ggccttttgaa aaacaatggg aacatcacct cccaaagagg gactgaggtg gctggaggaa 240
ccagagccgc ctctgcactc tgcaccgagg gtcgcgtgtg gctgtcagga gacgagcgta 300
a 301
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<210> 887

<211> 329

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA410962

<400> 887

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aacacaggaa gctggggctc ctagcaaaaa tatacatttc aattttggag attgttcaga 120
cactgagaag agctgtatcc tcagcaccag acccggttg gggcaggac gcggcatgtg 180
gcgcgggagg gggaggtggg tcccagcagc tgtcccttca tagccttggc ctgaaaggaa 240
gcacccaac cccatcagc tgggtagggt gggagcggga agaatcctgc cagcagagag 300
tgatcctggg gcatggaagg gaggtgca 329
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<210> 888

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA410972

<400> 888

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ccaatgtctc ctctgtaggc tccagaaggc tctcagggat gcaggcggcc tcttcaggag 180
ttgagtgtga atgggaacaa agacagctgt ggtcccatag caccctcatc tggtgacatc 240
ctgctactga cagtcaaaaag aagccttccc agatgaaatt ttagtccctc gcgcagcatg 300
ctcttcttcc agcaaaaagag ccatgtgcag tcgggtctgc tccccatggg ggctttgatg 360
tgggcccagc agtggtatcag ccttccagac acgctcaact ctgcacactc ttcctgccgc 420
ctcag 425
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<210> 889

<211> 267

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA411502

<400> 889

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tgacaacagt aggtaacggt agtcatacca acagtagggc agtgcatttt atattacaac 120
tggtttcttg ctctagtagg cttgggggat ggtgaagacg gacagggtg gcgcagaccc 180
tttccttctc ctctccagcc cacagtgate tgggctttta caagacagcc tgcttccatt 240
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cagtagtggtg ggaaagttcc ttcttgg

267

<210> 890

<211> 391

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA411685

<400> 890

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taaagtgatt ttcggttctt tagcacaatt tttaaaacaa tttctccaac agaattaagt 120
gaaatctcat ttatcttaaa gcaaattaga ggacttataa aaaatctttc catttctata 180
gagatgaagg aaattttaat acagtgggtc tcaaactggg gtccctggac cagaaacatc 240
tgcatacctt gggaagtgat tagaaatgca agtgatcagg ccagaccctc tgaatgagaa 300
attctgggtg tcgagcccag cagtctgttt caccaagccc ccgccagatc gttttgctgc 360
tgctgaagtt gaagaaccac tgccgtaatg a 391
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<210> 891

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA411764

<400> 891

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gcaattctcc cacctttgcc tcccaaattg ctgggggatt acaggcgtga gtcaccatgc 120
ccagcctagg atgagtttag taagatttgg ttatgctggg gagatgggaa aagccagggt 180
aggggcacgc aggctggagg aacgggggtc gtgggggtgg atggatagcc atggaggcag 240
aaaggagcct ctgcaggaag agtctggaag agcgaggagg aagcggtagg gcaggggagc 300
actgtggaat ggccctgagg ccaggagggg ctcaggatga ccaggcagaa acagagcggg 360
tccagggtgg aggggaggc 379
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<210> 892

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA411795

<400> 892

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aaagggcaca gactctggag ccacagctgg ctaatacact gcaatatttt atgttttagca 180
aattatagct ggtctgtgta taaccagaag agcggatatc gggggatcag gatattctaaa 240
ttctagactt acagcctggc cctgaatcta actatcaatg ttgccttgga aaaactgctc 300
aaacttttga tgtctaaagt ttcagacttg taaacttgag aggggtgagg tccaagggtc 360
cttaaagtga aacttttaaaa tgcttttttg ggaatctttc aaatcttcaa gctcttcaaa 420
gtgca 425
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<210> 893

<211> 330

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA411813

<400> 893  
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 gaagctgacc cagaaccac gcccgccag gctggggaag tctctactcg cccacacca 120  
 ggccccgagc accgcgtgcc cgaagcagcc cccagaggac agacgggccc tgcgcactga 180  
 ggtagctgca tcttaagccc ccatgagtac aactgccag ggctgcccac ttcccagagg 240  
 tgaggaggag agagaggcag gcagggggag ccccggttc aggtggggca caccacacac 300  
 cctcaacaaa cctcccagcc tctcggtctg 330

<210> 894  
 <211> 426  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA412034

<400> 894  
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 acacagggag gtcaggaaga gagagaaagg gacccatggg ccaacgcctt tattgggtcc 120  
 agggcattat ccaaacagag ttttagttgg tgggtttaaa gcaagcaggc atgcattgag 180  
 gaggtcacac agtgactgag agatagtcac tgtggcatgt ctgtgtagtc catgtgcggt 240  
 atgaggggtg ggggggtcag tcaggtaggc catatgtaga tggcccatag ggaggtgggt 300  
 accaggagga atttatataa ggcagatatac tggatcaacc acattgaggt atagaactgg 360  
 aaactgtgtc ggggtgaatga gccctgcttt ttgtatgaga aagtccagct tgtatgcaga 420  
 attata 426

<210> 895  
 <211> 521  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA412063

<400> 895  
 ttttgcaaag ttaacatttt tattgaactg aaattgggtg agaacagggg caaccacagc 60  
 tgctgagctc tgtaacaact gaaaagcccc tgtgacattt tacctttgag agtcctaaca 120  
 cggtttgagt ggaacagctg agaaacagca tatatatatt ttaacacctc aaaatagttt 180  
 gaaatgagcc tcacagcctt gttcaatctt cagattacaa ataacattga tagcatctcc 240  
 tgtggccttc agttagtagt gccagttaat attgtttctg aaaactttcc tctcaaagtg 300  
 ctggctataa ttttttttcc atccagtaca cataagaaaa ggatttagta acacttgggc 360  
 aagtaataaa ctgtagaact ttaaaagtag taaaggcata taccaagcat acgtgactcc 420  
 acacattgtc agaaaggcag tggactggct aacgagtttc tgccaagttt cagaagcaaa 480  
 gaatgcacta atgaaaaggg taaggcatcc aagcagagtg t 521

<210> 896  
 <211> 522  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA412068

<400> 896  
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 agatataatt ctttgaaga ttacagaaga tggaaacaaa atcaaattctt tcaatttcag 120  
 gtactggagt tcattaattc tttcaccaaa agcacatcac tgaaggaaaa tcagaagtgg 180  
 ttttttagtt attattaaag tagttcaaga cccagggaac cccttgagat gaaaacaaaa 240  
 cagtattcaa cttttcttca caagactacc ttgtactggc aagacttaga ggacttctgg 300  
 cttgaaaaat attgcttaga aaacttaaaa aaaaatcaac aacaactata ttttgacaaa 360

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aacaattttt ttttaatctg tcttgtaaaa tccttacttc cttttgagtc tctgatggcc 420
acaacatttc atttgagatg tttggcagtc acagcttcag gggttatggg tactgattat 480
ctaaaccctc taggtcagaa tgaacaaaca cagttcatgt aa 522

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<210> 897

<211> 329

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA412149

<400> 897

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agggtccaaat aatgaagatg tagaaaaaca acctacagtc ccattataac attttgaaat 120
tcatttataa aaaaatttac agcagctgta aagtttcagt atcgtaagga caacgtgatc 180
ctacaaacag ccaaaggatg tagacaagat gtttttctgt cttccaaata acacaaactg 240
aaaagaaaaag cctttgcttt tccttgGCCa cataaaacta gtatttccac actactggtt 300
aataacccca agaaaccttt gcttctctt 329

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<210> 898

<211> 416

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA412184

<400> 898

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gccctccatg agcagaggag gagggctgcc tggcagagcg tttcacactc cagggttagcc 120
agaaagagca tcttcatttt tgtttccaca caacacttct ctgtgagcct gttggccaac 180
aaagtggcgg ccgattgttg gaggagccag ccaaccatct tgtctaactt cagattcttc 240
agggctagaa tatgttcacc ccagaggctt agatgaagca catttgcggc tactcgggca 300
gatggtctct tgctggcctc tcgctggagc agtgccctca ccaactgtct cacgtctgga 360
ggcactgact cgggcagtgc aggtagctga gcctcttggt agctgcggct ttcaag 416

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<210> 899

<211> 305

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA412301

<400> 899

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gaaccgctga tttgttctgt gtcagacctt cccattcatt gtcttgtcat ctcccacagc 120
ctccagaatg ggaaaataca catcattgca tgaaagaatc agtattaaca aaacattaat 180
gacattccct tccccatccc tgtggatcaa ggcaagaagg gccattcgcc gatgcagata 240
ccaggagtgt gaaggccgca gcagttttga ggcctgcgtt cagtgtctgg acttccaggt 300
caagt 305

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<210> 900

<211> 363

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA412403

<400> 900  
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aaaacaaaat ggaagtgtgt gaggctcacg gcacggatga aactggaaaa aggaagcttg 120  
gaatcttagg ctccagctct gggcctcgtc ctaggaaaca gcccaggagc tctctagcca 180  
ccctcgtatg ctaaacacct gaggacgaag ctcgaaattct tctttacaga tggggcatgg 240  
ttgcacggag tccccttgca ggagagagcg ctgtttcacc ttctcccatt catctgatga 300  
cagtggagggt ggtggaggcc caatgaggcc caacttctgt gccaaagtca acggcggcgg 360  
ttt 363

<210> 901

<211> 279

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA412405

<220>

<221> unsure

<222> (1)..(279)

<223> n = a or c or g or t

<400> 901  
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tggcgccaga acaaggctca aatgcggact tggacacact tcgaaggagg gctgctctgc 120  
cctgctgttc gggcgtgggg ggtggggggc gggggcactg agctgggcat tctgtcctcc 180  
tccttgatg tgcagacatg ggccatggtt nctgacgnac ttcacatgtg aacctggggc 240  
ttctgtcctc tcctctggat gtgcagacat gggaccatg 279

<210> 902

<211> 380

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA412481

<400> 902  
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tctgtatata tttcaagtga atcatttaatt gtgagttagg cttagtagg tgttaccata 180  
agtattaaca gaagaaaaag ggaaagcaca aacattttcc ctctaccaga aaagggtctg 240  
atgtaagata aactagcctg ttggtttaac aatagctcat taaaaaggcc agagaatctg 300  
ggagaagatg tacttggaag cactgtcctc tgaggggcca ttcccaaggg acagcaaaat 360  
actgaaaaaa attaaactggc 380

<210> 903

<211> 428

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA412520

<400> 903  
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ctgactggaa tcctgagtgt caccggagaca gccccacat gtgaccacc tgtagttttc 180  
caacaggcat ttttccaaga gtgagttttg gaacattaaa ttaagagcaa attaaatttt 240  
ctcaggcttt gaggggctg ggctgaattt ttttaatgta tagagttag aatcaacgat 300  
ttaaagctca gtgtccctta tatgggtcta attatgaaca tgccactatg tccacattag 360

aattgaactg atttttctaac aagttatttt ctatgaaacc ctggaagggtg gtgaatgagg 420  
gaaagtgc 428

<210> 904

<211> 547

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA412700

<400> 904

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aggaactggc aatctaacag gatggcaagt ggttttgaaa catatagatt ttcaggatgg 180
aagtttgatt cttcagattg tgactcatcc gtggaaaata aacgggtttag cacctaaatc 240
tgtatattcc catcagtggc ttggctgact cagttgtaaa tagggtagcc tccatctgtc 300
tcccacccat atgctccact gtccccaggc cctcagtggc tgagccctag ggggattcga 360
gttggtgctt ggattcattt cctgcaagca ggctgcaag gtgacctgtc tctctaagat 420
ggagagctgt agaactggcc tgtaactgca aacttaaaact cccttggtc tggggaatgt 480
aaagggtgtg ggaagggtgc acctgtggcc aggtgaacct gggagtgtgt ccatacacia 540
cacacac 547

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<210> 905

<211> 365

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA412720

<400> 905

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tttttttttt tttttttttt tgcagcagat ttttattaga tggagataa caagcattac 60
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actggctatg ggaatgggta cttatgaaat ctaagggttg ggtctcctga tgaactataa 180
ctaccagta agctcttctc tttggcactc aatatgacca ctgctggcat gaaagggtct 240
acagttagta cttcaacttg gccaacagtt cttccagttc tggctgagct ttgaatcgtc 300
ccttgaagtc ttcttcagtg tgctccttca ctgacagtct gactccttca ggaagactgc 360
tttgg 365

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<210> 906

<211> 369

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA416723

<400> 906

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tttttttttt tcggggggctc aataaaaact ttttaattaca tttcagagac ttcgtacagt 60
gcaacagtga atattcactg ttaattttca caagagtcca tttcatcaaa cgttcagaga 120
gtctgccttt tcattccctt gtccctcagt gctccaatca ggtttccagt ctcccagagg 180
tttcttttag ttttgattac cgacccaaac tccagtttag ggagaatgga agtccaccgt 240
cccattccca ccaaaacata tttcagtcaa acccaatccc agtccctaaa gaattaggaa 300
agtatgggac aagggtcctt ttaattatac acacatcacc cttaaaaactg cgtgtgtgta 360
cgagaaata 369

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<210> 907

<211> 372

<212> DNA

<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA416740

<400> 907  
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tatcatctat tcatgcaaca gcagtactat tactccacct ggacacagtt aaactcatct 180  
tccttttcaa aaagggatcc aattatttca aaaacctttg aagcagagga tttgctttat 240  
taaagattat cttctgttag gcaacactgg cacccttgtg ttgcagaaga tgattacgtg 300  
gtggttttaa cactggttgt aaaggaatgt gcctcataaa aacaggaagg aaatcaatac 360  
cagatctatt ca 372

<210> 908  
<211> 493  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA416873

<400> 908  
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aatctatggg gagctttatt aaataaacat aaagatgagg atttaaggat acacacctgc 180  
attctatcat agtcattttt actctacctt ctgggtgtgt aaggatggaa aagacacatc 240  
aaaccgaata aacaaaatcc attcataccc tgaaacgttg gcaggccact caagggactg 300  
ctcagaacgt ccacctcatc tcagatggcc tcaccgtcta ataaaattaa aactgatctg 360  
ttggcctctt tgggtccaaa attatgtata atacatttaa ctgtattctc tttttttttt 420  
ttttgctgct ataaaataac tttttttcaa tggcagttct gactaatctg cacttaatca 480  
gtgcaacata aaa 493

<210> 909  
<211> 491  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA416890

<220>  
<221> unsure  
<222> (1)..(491)  
<223> n = a or c or g or t

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cagggcagtg tcaacttagg cctctactcc atggctgtga aaggacagca gcctcaaggc 180  
agtctagctc ctgggcacag gcagccaaac cccctcccat atccagctaa accagctcca 240  
ggaaaggaga aggtcctgtt tccccggcat ccttggggcc cagggactgg ttctttcacc 300  
ggatgatctt gcctggttga accacagcag catttgggct ttttcatact ttctacatc 360  
aagaactttc ccaaagtgtg gccctgggcg taaggcaaaa cagtggcctt ggccaaggct 420  
ctgggcctct gggagggtcc catctggcat caggtggcgn acaaacaggg tgtcagcacg 480  
gagagagctg g 491

<210> 910  
<211> 418  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA416936

<400> 910  
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tctttatggg tatacatcat ataaaaataa atcattttca tactttttta aatgttggca 180  
ctgtaagtca caagaatgag ctactcagtc agtctcccta tttcaggaag cctttgcatg 240  
gaaggacaga gtctctgtga agttctctgg gaagtaaagg aggcgctgat agggactgaa 300  
ggctgcctta gctcagaaga gctcaaggca acagggcaat ttggggagag tcacaggcac 360  
aggaagggcg tagatagaag atacgtaaaa tcaaatcagg aagttttgtt atattgtt 418

<210> 911  
<211> 382  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA416963

<400> 911  
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gatgtcaccg gccctccatg acatccagca cattcaaaaag cattgcggga cgaccatgaa 120  
aagggccttt gctggcggac ttcccttgag ggcgcgctca gggtcatttg ctcttcgtct 180  
tctgactctc cgtcttcttg ggcagcagca cggcctggat gttgggcagg acgccgccct 240  
gagcgatggt cactttgccc agcagcttgt ttaactctc gtctgtgcgg atggcgagct 300  
gcaggtggcg ggggaattatc ctggctcttct tgttgtcacg cgcggttgc cagccagctc 360  
caggatctcc gccgtaaggt ac 382

<210> 912  
<211> 379  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA416970

<400> 912  
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tgacaggtg gccggggcca ctttccccct ctagegcacc cccctcacc ggcaccaggc 120  
cctcgtgtgg ccccgactc tggcacggaa cctgccctag tgcccaacat ggacctgggg 180  
ccaccctgct ggccgagggt cagggctctc tgtgcaggca gtggggaggg ggtcccagg 240  
tccctgacag agggaggcag ggcacggggg agcctgcctc acccagcgga cagcacgggc 300  
cggggcagac agagcaggga ccctagggcc acagaccggt acagggttcc accaccggg 360  
gacacaggcc caagcacccg 379

<210> 913  
<211> 354  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA416973

<400> 913  
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atgaattagc ttcttgctat caggtgtaca tcattttctgc catgtgggac attttcttgg 180  
gaatatacaa gtaatactcc atgtagcctg acaggtcctc aatggtcaca tcatccacga 240  
agactcgagc ttgctcagaa caggatcggg gagagccaga cagagttctg gcgtgcagcg 300  
actcgagagt agtcctcaag tgtggatctt cgttctggag ccaagggagg gaca 354



<210> 914  
<211> 418  
<212> DNA  
<213> Homo sapiens

<220>  
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agaaccattt acactatggt gacagtagta ctgctgcagg cagacagcgg aagaataaat 180  
aatagtgtct caagaagagt agtgattgag aggataggta aagagggcgc ctcatcgtgg 240  
aagctagagc aggaacacct cccagtagt gacatgtgca aagttccaga tctccacgac 300  
aaagacagct caaccactg gaacaaacag actcccaatg tggctggcaa ctgcgggggt 360  
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<212> DNA  
<213> Homo sapiens

<220>  
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aatcttttta cttgcaaaga ctcaactggt atttataaaa gtctcccttt acgggtatgc 180  
aaatttccta caaaatttcc tcacaatctt caatcaaatt aaagttggat tatatcaagt 240  
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accagggtca ttttgcggtg tttaaaagtt ccagtgatct caatgggtgtc ctgtattctt 480  
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<212> DNA  
<213> Homo sapiens

<220>  
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ctggccccca gcctctagaa gtcagggtct ctgaggccca gaagctcagc gccacacctg 180  
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agactatgac tatgtctctc gaatatgttc tagaacacct aagttgcaat tcttaaaatc 360  
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gtgccttggt tgtttat 437

<210> 917  
<211> 396  
<212> DNA  
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<220>

<223> Genbank Accession No. AA417373

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<210> 918

<211> 365

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA417375

<400> 918

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aaagtttttc aggcaaactc aatgcacaaa tacaccatct tttagagtat aatgtcagtt 180
tatcattcgt taacagctgt gttagacagt ggctctgctt tgtgcaaaac gtgataaaca 240
aaattaggaa aaattctgca aaattattta gttccccaag gaaattacta aaatagaaaa 300
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<210> 919

<211> 586

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA417884

<400> 919

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tgccccacat tgctggccgt gtgcttcacc agggactcca ccaccgggag gtgggccttc 540
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<210> 920

<211> 427

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA418098

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tgctgtatat tagagcaact gaataataata tggaataagt ttgaccaggc caagttttag 240
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gatatagttg aatttcttta aaaagttttc tattttatct aaaatctttc tattatatct 300  
aaattagaat gatcatcctg cgcaaattca gattactgtt tgctggctaa ttgacagtat 360  
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ggctaatt 427

<210> 921

<211> 435

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA418398

<400> 921

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ctcaagttcc cgtgatctgg ctacagcagt aatggctgaa tacctctaac tgcaaacctt 180  
gaaaaagtta acctgctatg tgacagggtta actctttccc ttgttttctt gtcattcatg 240  
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cctgtggccc tggtgaccac ctagtccggg agagtgtgga ggtaatgtgt cattcagtag 360  
aaggcaaaaa ggagatcaat actggcagtg gggtttccca aagggaatga ctcaaggaga 420  
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<210> 922

<211> 551

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA418907

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caagctcaat gcaggctaga atagaaggat tggtgtgtac aaacattaaa aatagacatt 180  
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ctccagccct agtctgtgtg cctggatagtg tgcactccct gtgcgctctg atccccgcag 300  
acacaagtcc ccagccctc caggacagca ataagggtct tacaaggcca gaaggcagcc 360  
ctgtttgttc ctgcctgcag gaagaggcag aggaatgtga tgttcccagg aactgtgtcc 420  
tagaccata gggtcagatt gctcagcata gttcaagcag tgagactacc tcatgtgcag 480  
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<211> 274

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA419217

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cccaggacct ccttccctga gttgtgtgtg tgtacatgga ggggactcct gggtagcacc 180  
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<210> 924

<211> 513

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA419507

<400> 924

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gttatagact tgctgagttt ggcataagata gtgcactcat ttaatctgtg cctctcaaaa 180
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tgtaactggt tacattttga tggttgtcta tactcaactg gatatgtgta tgtaaattag 360
aaaatacata cctatccaga cataaatgct aagtaacatt tttttcttcc tccaactaca 420
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<210> 925

<211> 468

<212> DNA

<213> Homo sapiens

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<400> 925

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tattttaaatt ttttaaagtt ttaaaaattt cttttattca tagaaattaa aagaaaacaa 240
atagcctctt atttttttaa ggagggtaat tctgaaacta atattttcta tcaactacgg 300
ctgggtgatg taaagttcta tatattaatg ttactttttc atatatatct ctcttaaatg 360
acactttggc ttctgcttct tcaatgttta tctctgggga aaatgtgatt aagataatca 420
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<210> 926

<211> 484

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA419622

<400> 926

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atctggaaaa aaatcactct agcccctgaa taccatgatg tgcatgatgt gcaaaaatgaa 240
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caaattggaa atgcaaacag tacacttaga gtcattcctta gccagctgtt ctccaaacaa 360
aagatcgaga aacaaaacca agaacaatgt aaaaaagaaa aggtttatct agaaaaactg 420
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<210> 927

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<212> DNA

<213> Homo sapiens

<220>

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gaaattgatg aagaaacata tgaagagata tataaatcaa cgaaacggaa tattccaatg 240  
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aaacattcat aagagaaacc tgcatacatt ttgatattaa gaaataattc cggggattct 420  
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<220>  
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agcataacc ttaaataatt tcattttatt ttaaagttac aacctacaga gaaattaaca 420  
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<220>  
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gagagctttc ttcattgttg caagcaacag agctgtatct gcagggtcgt aagcatagag 360
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<211> 312

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA421638

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<212> DNA

<213> Homo sapiens

<220>

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<210> 937

<211> 668

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA422049

<400> 937

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ggcccaggat tgcaaaataa aaagatccac gttccttatt ctctacacaa aacgcgtttt 180
taaaaaagtg aaagggtctag ggagctatac atagaaagca acagtgaaaa cggagagggg 240
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<220>  
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<220>  
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agtgcctggg tccccctagc ccaggcccg c aatg 214

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<212> DNA  
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<220>  
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<210> 944  
<211> 484  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA424307

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gcagttttgt gctttgagcc actttttgac aaaaatggct ccatttttcc acagcgtgg 360  
tttcttaaaa tagtttaatg ttttatagtc tcatagtagt agtgttgctg tctaagctat 420  
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<210> 945  
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 <212> DNA  
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<220>  
 <223> Genbank Accession No. AA424487

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 gcaggacggt ccagccgccc agcaggccca cgttgtgcag caggaagagg agccagggcc 240  
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<210> 946  
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<220>  
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 gagacccaac ggaggttaac ataagtggac accctcctgt cccctggccc ctttcctttc 180  
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<210> 947  
 <211> 423  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA424798

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 ctgccatttt taattgtatt tagagcaaca aaagattcca agattacaaa aagagaacag 300  
 aacactagcg cttggagctg gtctgtctgc ccagtggagg ccaagtgcc cgtgagaaa 360  
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<210> 948  
 <211> 411  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA424813

<400> 948  
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 caaacaattg ttttctaatt cgcttaagac ataacactct atcaaaaaat attttaaaca 180

caccaataaaa tattagggcat gtatgtccat taaaaacat taaagagtcc tgtggcaatc 240  
 cttaaaaacaa tgaaaaaactt ttgagttcaa aattgctcag atattttgta ttcaaattatt 300  
 tttaaaaattt acttaagagt tttctaaaaa atagtactat catttgcaca cagcagatca 360  
 ataggtgtca gtcaccagct taagttacac ttgtcaatat tcaaacttga a 411

<210> 949  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA424881

<400> 949  
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 ccctgctgcc tgggcagaag tgcaacatgg cacacgatgc ctgggggatc actcccccca 180  
 gggactcatg gtcagtgtcc actcacaagg cctgcttccc tcatgacatc tggccagtga 240  
 caccacagg gg 252

<210> 950  
 <211> 512  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA425214

<400> 950  
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 ataacgtttt ggaaagtaat gccattgtta actggtagt aacaacccaa gttttccaag 180  
 caaagaaact gtaaagatgg ttacaaaatt ctttgaaaag aatacaccat ttccatttaa 240  
 gataaactct ccaaattctt aactgatttc aatttttagg cttagcttaa atattttaaa 300  
 tgaaacaata tgagagtggg agaaaagggt tatagctaag aaattatctg agccccacta 360  
 catgagattg taaacaaagg aaatttgcga tctgataagc tctattacaa aatttatagc 420  
 ctaaaaatta gageagcaaa attacagaag atatttgtat atagttttaa ctgaaatcac 480  
 gtttattcct tgtttctggc tatcacaatg ag 512

<210> 951  
 <211> 537  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA425279

<400> 951  
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 aagtcacaca gccagttagt gttggaagct ggattcaaac ccagacgtca gattccagag 180  
 tccattctct tcaaggggtg gccactgcac cttgggggaaac tgggggtcct cgctgggggc 240  
 acctgcaagg cgagcattga ccctgttggt gctagaccag agccagagga cagcggcggt 300  
 gggactcccc acccggtgca tggaggcagc agccatctgc tcgaagtggc tagcgcagtc 360  
 tcggcagccg aagaagtagt gcacgtagcc tcggatggct gggaggacct ccttggcctt 420  
 ggctgcttcc tgtgagtggc ctacattttg ccgagctgcc tgcacagtca agaagtggaa 480  
 gaggaccac agggagcagg gaaagccccg gaaattcggc tcaatccctc tgcaaga 537

<210> 952  
 <211> 335  
 <212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA425294

<400> 952

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cacactgaaa aaataactaac acagctcata tataaattac ttatctataa gaacaattat 120
agaaggaatc taaatggggc aattttaaca aaccaggcaa aatatcacat atacctgaat 180
ataaggtaac tccaagccat gagtataaga ttaaggcagt tactttattt tgaacaagga 240
agtggcataa gcaactcagt gtgtgcccct taggggggga gctcttcccc ctaccactcc 300
ccacccaag gcatcatttt ggagaaaaaa gtgtc 335
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<210> 953

<211> 469

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA425309

<400> 953

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gcaaattagg attactggaa agagtatttt taattaaaat ttttaagagac atagaggcaa 120
aatgtgtctg cccatgcaca ctatggatct gtcaatacaa gaaatttggt gaacaaggct 180
aatgtctgaa agcaccatgc aagttttcag caccctgatt acatttggtt tctcaagagt 240
gcgtttttat atcctacacc ctggcgttcc cagtttgtaa actgtaagct ttacccttgt 300
gacatggatt tgccctgcctc tttgtctcta taatgcagat tttatagaac cttttgtaca 360
ccctatgggt tcttgatgca accagtaatt ttaaataaat aaattctacc tccaaggagg 420
ctgcagctaa accaacataa gtgctgtggt ttcattaatt ttatttttc 469
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<210> 954

<211> 424

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA425401

<400> 954

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gtacacagtg attccttatg cagcccgaaa ggggttccgt aaaaatgaca ttatatacaa 120
atctgtacac ccatccacca gagcgattct ccagctccca gagggagtta tcaacttaaa 180
gcaggatacc tgaggtttca tgtctttagt tgccttatca taatcccaaa tatacatctc 240
agggtttggt tttgttttta aagacacttt cctggaatat gtgcactatg gttaaaaatta 300
aaaacaaaag taataaaata aaataaaatg atcgctggaa ggagctgacc ctccccaccc 360
atctgagaga cttcatctgg ctgcagcaca gtgaagactg tgtgtgtccc tggacggggc 420
cctg 424
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<210> 955

<211> 316

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA425544

<400> 955

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aaaaatctgt atcccagtaa ggtattcagt gttatgttta acacactact gaaccagaaa 120
gtttaagtcc ctgacacaga cgcaaccagg tctaagag gctccaaaat caacaagtta 180
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agccctgctg ctctgttaag atctgaaagg caagacacag tgctggatgt gtgcccttgt 240  
 tacgggggtga ctaaaaaggc aggcaacagt atcaaggatt ttttttttag gtggactcct 300  
 gtgcactccc acattg 316

<210> 956  
 <211> 412  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA425782

<400> 956  
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 cttgttcattg atatttgaag agtttaaaaa gaatcactga ttaaactaac catccttttt 180  
 ctttctgaat ccaaaacctt ttcaggcata tactccattc caaatttttt tctagcattt 240  
 cagagcttca gaatatcttt aataccaaaa gcccttaact acttatttga ttatacattt 300  
 ccaatgagaa ggcattaact tttcttttaa gctatcatta gctttgagtc tctttataaa 360  
 agaaatttgt agaagcataa tcatggcaga gaggtccag ctttttgagg ta 412

<210> 957  
 <211> 368  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA425836

<400> 957  
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 tctcagctct aacaacccca gttcttcttt caattctcct ttctcccttc atacaattga 180  
 gatgtttgtc ctttgcactt tccccaaagt agcaaagggtg atacaaatgt ggaaggaggg 240  
 gaagtgtaga aaataaactg tcatcatcct ctattcccat ctccaggga cagacagatt 300  
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 ctctgtat 368

<210> 958  
 <211> 403  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA425852

<400> 958  
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 atctagagac acttgtctga gagactgtat tagaagacta cgggatgggt taggggaggg 180  
 aagagtgcta agaaaagcag tggcatcttg tccaacctca tcttctctct cctcatttgc 240  
 aaatcatatc tcaggagtaa gccaaaaact ggtgggaggg ttgcagcagg aaaaaattag 300  
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 tctggtgcct actgcaagta aagagtctgg tcttctccc aca 403

<210> 959  
 <211> 416  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA426156

<400> 959

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taacattcta caagtattta tttcattgct gaccattagg ttgcagcatg aactctcaac 60
attgagctgc ccctctccac tcctatagaa gctccaaata ctatggtacc actatgtagg 120
ttttcagcct ttcaaaggct tttattatta acatcatcat tacttcagca ggagcctttt 180
agggacttaa aagcactgat tatctataaa aagtaacttc atatttcatg cacaaaattc 240
ccaattggca gatttaggtc cataaaagaa aggaaaaaaa ttattctagt tatataaatt 300
atcaggaata aaatagcatt tctccttgcc ttgttataag gaaataatat atttttcctt 360
accaggaatc aggatagtat ctttgatgat cctcagggt tataaaattg cttact 416
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<210> 960

<211> 499

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA426168

<400> 960

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gaaacttgcc atcatccatc caatcccgcg tgtcgatggt gaaccaaag gaacctcag 120
gtcagagcgg cctggcctgt gtgcagcacg gcctgccttc ctccagcagc tccagccaaa 180
gcatcccagc ctgcaaacat cacactctcg tgggctttct tgcgacagag ggaggtcaga 240
gcagtgcact gatgcacagc caggcaacac cttaagtcct gccacaatt cacactccag 300
aaaggcagaa gtgatttaca gagtccaaat tgtggatccc agtcaaattc tggaagggat 360
caacctgtct aaaaggaaa agctacagtg gcctgatgaa ggaatccggt taaaagctgg 420
gagaaatagc tggaaagact ggagtcgcga gggagggcat ggaaggcatg tgattcaccg 480
atgggtccct gagcagaga 499
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<210> 961

<211> 330

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA426291

<400> 961

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cacataagtt gctttaaaat taacagtcac aattgaagaa acaatgggtt atttttctaa 120
tcaagtgacc aagctgctga atcataaggc ctcaacaaat gttgcatctt attatttcac 180
tgaacaataa gaccttctat tgtgattatt cctggtaaat agcaattttg tttctccagc 240
ggtttccatt tgccaaacag tcatgacaga tggttgaaca tggtggctac tgctttcagg 300
ggattctatc agatgagtc ccatttccaa 330
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<210> 962

<211> 395

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA426304

<400> 962

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tgtattctta tgttgtttga aaatgctatt tatattgtaa agaagcgggc gggtgcccat 120
gctgcccttg tcccttgggg gtcacaccca tcccctgggt ggctcctggg cggcctgcca 180
gatgggccac agaagggcag gccggagctg cacactctcc ccacgaaggt atctctgtgt 240
cttactctgt gcaaagacgc ggcaaaaccc agtgcctctg tttttcccca cccgagatga 300
aggatacgct gtattttttt cctaattgtcc ctgcctctag gttcataatg aattaaaggt 360
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tcatgaacgc tgcaaaaaaa aaaaaaaaaa aagat

395

<210> 963

<211> 421

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA426330

<400> 963

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tagctattga gaaagaagga gggccatagg tttttcaata aaacgtaga aacattataa 180
aaaacgagac tcccattaca tggaaacaca tgatcaaaga tcagactaac acacattcaa 240
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ctttcagaag cacttcacaa tgaacagagg tcttgccagc tcatttcatt agcggagaag 360
caaaggtatg atggcagaat catgagaaga tggaaataag gcctgaggat atggcttgat 420
c 421
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<210> 964

<211> 486

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA426374

<400> 964

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tcagcctcgg cttccacgga atccacgccc acctcttcat aatccttctc cagagctgcc 180
aggtcctcgc gggcctcaga gaactcccc tctccatgc cttctccac gtaccagtgc 240
acaaaggccc gcttggcata catgagatcg aacttatggt ccaggcgagc ccaggcctcc 300
gcatggccg tgggtgttgc cagcatgcac acagcccgc gcaccttggc caggtctccc 360
ccagggacca ccgtgggggg cctggtagtt aatgccacc ttaaattccag ttgggcacaa 420
tctacaaact ggatggtgcg ctggtcttga tgggtggcgat ggcgcgttga catctttcgg 480
gaccac 486
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<210> 965

<211> 257

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA426447

<400> 965

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gatcaccgga gagtcagga cgtggcggcg aggggccctg gaaatctcca gataccaaag 120
ctggaagggc gtggagtctt ctccagttct ctagtttac agatgttgtg acctaggctt 180
acaatgggcc tggggtctga aagcgggacg tgggctgcgg ggggtcaaaga gccggtttgg 240
tggaggtcag cgccaca 257
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<210> 966

<211> 280

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA426468

<400> 966  
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 atttcataga aatgattatc aaatgcattg cagatagaaa cagaatatcc tttgtactta 180  
 cagatcttat gataccctaa acaattatta ataaaaacca gccaacccat atggtaaata 240  
 gttagcaaac caccagttat tttatttttag tcagcaaagg 280

<210> 967  
 <211> 295  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA426521

<400> 967  
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 gctggctgag gagggacaag gtgagggggc ccccatgggtg ctgagacaac cagagcctcc 180  
 ctggcagggc aggagtgtgg gtgccacaga gacaagcccc ttgcagagct gacctggagc 240  
 ccaccatccc catagcctgt gtgagcatga agcgaggacc cccgggtggg ctgtg 295

<210> 968  
 <211> 362  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA426609

<400> 968  
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 ttagatactt ggaagcacat acacaaaaat taagaggggc agcaactgtc ccaccgagga 180  
 aaagcactct gactcatcat aaacacacga cttctgggaa acttgagctg acatttcaca 240  
 ggacagtaaa ccaaagagac aggttgtcat tgggttatag aactgatctg agcttgagag 300  
 ggatcacagt gaaatgccat tgtaactcaa caatttcccc agagatctgt tcatctcaaa 360  
 aa 362

<210> 969  
 <211> 404  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA426640

<400> 969  
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 gctaattggtt tctgacatgt acatagcata taacacagca gtacaatgcg gcatatactg 120  
 gggggcagtg tgtggagggg gcgttcttaa ggggtatatgt acagaggaaa gggcgcatgg 180  
 tcatcttagc tttcgaaaga ggactgcact gtttaacatt gaagaattac atggggaatc 240  
 acaaatatat tgcttttagta ctgcatgttc tgttgtgtgtg agggaaagaa acatgctttg 300  
 aaggttttcc cttgtcaaca gaatgtgtgt ctgtagctgt gtattgcgca tgtattcata 360  
 tatttttaag ttttctccta aggtttttgc tgacagtgtt ggga 404

<210> 970  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens



<220>

<223> Genbank Accession No. AA426643

<400> 970

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gcaagaacag gaaagtaaac acctgtgtca tgttcaacaa gactgaacta cggagcaaag 180
aatcacacag tgttgcaaga tcttgaactg actagatgat aggattacaa aaaccacaca 240
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tgtcctacac aaatcagacc tttaagtga acaagtctat ccaaccatct tcccataaaa 360
cctagtttct atggaaaaca atcaattaag ctagaccccc acattttaga tgtatatt 418
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<210> 971

<211> 409

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA427442

<400> 971

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tgaaaaatcc cccaaattca cgctgaggtt tcagggtcatg gttgctgagg tggagatga 180
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cccctcaact tcttcagaga tgtggagata ggaggcttcg atctctaatt gcctacgatc 360
tcttaaaaat ataaaacacg tgcagttgac tttggtacaa aaaagaaaa 409
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<210> 972

<211> 408

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA427460

<400> 972

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ccaaaccaga agcaaaaagg aatcggggcg gtgggctggg gggactcct ccaacatcac 180
caaaacccag aaaacgagga tcttaagctc ctccgcaggc caaatccagg gcttgggcca 240
ctgggctaac ccgcaggtgc ctctgactgc atcacactca gagtaagata accagcaagg 300
ggctggaggg aacggccagc cgagtccaga catggacaga tgtaactgga aggaggacag 360
gaaacagaca ggtactgtcc agctgtaggt aagagagtgc agctaaga 408
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<210> 973

<211> 313

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA427468

<400> 973

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ccagcagagg cggtcaggt tgcccagctc tgtggcctca ggactctctg cctcaccgcg 60
ttcagcccag ggcccctgga gactgatccc ctctgagtcc tctgcccctt ccaaggacac 120
taatgagcct gggaggggtg cagggaggag gggacagctt cacccttgga agtcctgggg 180
tttctctctt ccttctttgt ggtttctgtt ttgttaattta agaagagcta ttcactactg 240
taattattat tattttctac aataaatggg acctgtgtac aggaaaaagc gaaaaaaaaa 300
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aaaaaaaa acc

313

<210> 974  
<211> 203  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA427537

<400> 974  
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cgaggaggac gcctaccagg aggacctggg attcagcctg ggccacctgg gcaagtcggg 120  
cagtgggcgt gtgcggcaga cacaggtaaa cgaggccacc aaggccagga tctccaagac 180  
gctgcaggta tgggccagac cca 203

<210> 975  
<211> 424  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA427579

<400> 975  
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aaaccagct gcccgaagcc tactgcaaaa tctgtatgta cagtatagtc tatgtgggtg 120  
gggtacaggg ctgcctgcct gcacctcaa ggccttactc ataccagctt cctgaggagg 180  
ggccggcccc tcctcttgcc cctggtgaag cttggcacag gctggggagg ctggcactgc 240  
caacgccatc cctccatgtt gggcaagcct gttccaaggg gctggactca cctcccccat 300  
tgtggcctgg ctgcaaggga ttgggggtga gcttgttgag ggacaaggcg gtggcagctg 360  
tggggtgtgt ctcatctgag tcccccttcc acccctaccg gctcttctg cgggcctgcc 420  
atgg 424

<210> 976  
<211> 439  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA427636

<400> 976  
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gaagcctggg gttttgtgcc tcctttttgt tttgtttttt tttgagacag agtcttgctc 180  
tgttgctag gctggagtgt agtgggtgta tctcggctca ttgcaacctc tgcctccagg 240  
gttcaagtga ttctcctgcc tcagcctcca gagtagctgg gattacaggt gtgcaccacc 300  
acgccaggct aattttttagt ttttttagtag agacagggtt tcaccatgtt ggccaggctg 360  
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<212> DNA  
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<220>  
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<400> 977

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aagcaagggg cgtggagagt gagggctccc tgctccctcc ctccaccggg gaagggcatg 180
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ctccattccc tggagtttgg gggaagggga atcattaaag tgctttcaga aaatgaagaa 300
atggtccctg cccctggagt ggctggtgac ccccaaaaaa tctagggcc agtgaccccc 360
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<210> 978

<211> 327

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA427778

<400> 978

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tagagaatag tggaaaacca aacagccaaa atcttatcaa taaaaccacc tctgtttagt 180
attttgagag aattattatt atatttttgg agatgggggtt tcactatgtt gcttaggctg 240
gacttcaact cctgggctca agcgatcctc ttgcatcagc ctcttgagtg gctgggggta 300
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<211> 444

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA427783

<400> 979

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agaataaatg aaacattttt ctggttactt ttttaaaaat ttaaaatgga agggaagaat 180
aggggcaggg cattattagg ctatttctga tgcttcagtg ttataaattc aacatagagg 240
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ttggtatctg ttcaatgaaa ataaggtatg acccaagttt ttacctagtc tgactagaag 360
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<210> 980

<211> 281

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<213> Homo sapiens

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<400> 980

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agacactatt ggtccagagc tccaatata aacaggcgtg gggtaaagca tttgataaaa 180
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<211> 324

<212> DNA

<213> Homo sapiens

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<400> 981

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atatccagac ggttcttccc tagaagaaaa acaagtcttt acacctgata aaatattttg 180
cgaagagagg tggtcttttt cttactgggt gctgaaagga aggatggata acgaggagaa 240
aataaaactg tgaggctcaa ggctgggtgt ctccacttat ttcagcgaca agctggggcc 300
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<210> 982

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<212> DNA

<213> Homo sapiens

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<400> 982

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cacaaaagga gattaaaccc ttccaggatt gccatcaagc ttcccagat ggccagggca 180
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agcagcagca ttcccaggac ccaagggcca gagagaggaa aagaaatgac tgtagtgtga 300
caggattcta ggatgaacat gtccagtgc tcttgccatg gcagactggc tcccagaatt 360
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<211> 379

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA427946

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<212> DNA

<213> Homo sapiens

<220>

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<400> 984

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gctgatgctg cccgagaaat tgaggcgtt gtacaaccat ccagcaggtc ccagaacagt 300
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ttttttctgg gctccaatta tgaaatgggg gttggtgtgt gctggattgg ctgatatggc 360  
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<220>  
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 ggaaggcctt cctggaggag gggctgtcag agctgagtcc aaactgaaga ggcatttgca 180  
 atccaggaga aagcgacccc tggtaggggg agctgcaaga ggaaaagctg agagatacca 240  
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 tgcctcagtt tacccttcag gtagtggcag cgagcctgct tgtccaggaa gccaggatcc 420  
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<210> 986  
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 gccctgcatt gtacagcccc ccactccctt caccacctaa taaaggaata gttaacactc 180  
 aaaaaaa 187

<210> 987  
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<220>  
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 cttgtcatat tgtatataca actgtacata aacttctgca tttcaaagca cttgtcattt 180  
 ataaagttaa aagtttgaaa gtgctaaata aacatttcct aattattatt tttaaaaaca 240  
 gcactctttt ggaagttatc tcttctttgt gcttatagtt gatctgcaaa catttcaagt 300  
 caaagtttct ggaaacttct ttaggaaaca tctggaaaaa atcatagtag acaaggggcta 360  
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<220>  
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 caaaggtaga gaaaatgagt aactattgag gccccgcgct 159

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<220>  
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 tgtcacacca attttggggg taacagtttt gacaacagga acaaactctaa gcaatcgaca 180  
 aaacagaagc cggataactg gctctgacct ccacccccaa catttaagag atgcaaagga 240  
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 caaaactgaa aataaaaacca ttttaatacac agcccattaa tatctgagtt acgcttttag 360  
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 tatcacttac taagttgtta ccagggaata ttatcatgta agacaatcaa ttaaacata 180  
 cttttgtaga ttatttttcc atgaaggcaa tttgacaagc ctaacaaaga ccaagttgtt 240  
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 aggagcactg atggtgtcag tcccagttca agggcaggag aagatgggtg tcccagcgcc 180  
 acagtcaggc agaaaattca agcttctcc acctatttta tttgggtcct tagaagactg 240  
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tgagtgcagc acttctagac acacacacag acacacatca cttactcata aacggcacag 180  
cctacgggtac aagaaaaagg gcaaggtagg taagggcacc caacaccctc ctgcctgcag 240  
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<220>  
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gagggcactt ggcttgccca aagtacacaca gcagggagtg gcagaggaag tcaggttggg 240  
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gggggaatga ggtgagaggg gagatgttta gaggtg 396

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<220>  
<223> Genbank Accession No. AA429009

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agggtggggc tgatcaaggg cagagagctc aatcttgggg gaagaggaag agaggacaga 180  
gaggccaaac aggctcttcc cctcctcttc acccatgcc aagcattaaa taaacaaaaa 240  
gcaactcttt acagcacaaa ctacacaggg aagtccttcc tcccagccct gggcgcacag 300  
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<212> DNA  
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<220>  
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aaagcctatt tttttatttc ttgacagaat aaattacttt tcttcaaaaa attagtcaag 180  
tgcaattttg cccaatatatt aatgcatact agaattaaag cctatgaaac taagtagtaa 240  
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 ggaagtctcc agaagcattg gaaaccagac agtgtcagag cctctgacct gcaggcgagg 180  
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<220>  
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<220>  
 <223> Genbank Accession No. AA429539





<212> DNA  
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<210> 1004

<211> 281

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA429890

<400> 1004

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aaatagaact tggaattaaa gcagcagcaa ggcgaggtga gaatgcgatt tctaggccat 180
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<212> DNA

<213> Homo sapiens

<220>

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<400> 1005

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<211> 481

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA430011

<400> 1006

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aatttttcta aacaagaacc atttgcaata tggatttctt agagattaaa ccaattataa 420
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t 481
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<210> 1007

<211> 421

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA430026

<400> 1007

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gttttcaaaa tacctgatgc tagttgaaaa ttagtgacca tgaggctttc caagatattt 180
ctaattagca aactgtgtac aattttgaag aagtgtacac accgtgctgg aagacagaca 240
ctgaacaggt caaaatgcaa actcatgtat ctttcatcaa cctaaatctt gttgcttcac 300
ttttctaaat gatactttgg ctgtcagcga atcttatagc ttcttttccc ttaaagacaa 360
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c 421
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<210> 1008

<211> 418

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA430028

<400> 1008

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tcacacatca acttttagcc tcaaataata gaatacaaaa agctacactg gacataacac 180
cacagaactt ttgaatatcc ctttttccca attgttaaca ggtagtactt tttttctaaa 240
gagaaagtga tgaaaaatcc aaaatttctg catccagtgt ttgactccaa ctttctactt 300
tatcgtctcc tgggtaccacc atatcctgat gcagttctgg ttttcgtgtc tgagtttgaa 360
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<210> 1009

<211> 434

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA430032

<400> 1009

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gaggattgaa gggaaagaat ttttctattt ctggataggc atcatctgag gcaggaacag 360
agctttttgc tttaacagtc ttctcagtca tctttttggc agaaaagctt ggctgttttt 420
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<211> 430

<212> DNA

<213> Homo sapiens

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 aatgtagaaa aaattccaac aatttttttc ctctcctaaa cattaacctt cagtctaggg 180  
 cacaattatt tattgattta aatgtctggt tttgcataaa acatggaaga tgcaaaacat 240  
 ttactgtatt aggattgtga agttacagcc actcccaccc ctgctctaaa acaaaaacaaa 300  
 accagaaaaa aaccagcaaa cattaacaaa atgatagagt cagttggcta ggaaaaatac 360  
 cgctgttctt ccttttactg tgcatttgta tgggtaaacg ggccagtttg gtattgggga 420  
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<210> 1011

<211> 424

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA430047

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 acaatccttc actagaagga gactactttt ttcacacagt caggggatga ggatctgac 180  
 cgaattacat tttgtcgagt cactcattcc cacagatttg agtttgaatg cagcttggtg 240  
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 aatgtttaccg gtgcttaaaag gcctcagtag gcactcaata attttataga atagttaaag 360  
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 ggaa 424

<210> 1012

<211> 490

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA430048

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 tgcaacaaat gtcttttccc catcctcacg atttcatttt cttctggctg gaactcttca 180  
 ctgacatcaa tattttcatg gtttctccat taatcattcc attaaactct cttcttcttg 240  
 gacgagtcac tctaaatagc aacgagtaag acttcacat gtggctgtta ctagggtcaa 300  
 attcattact ggaaactgca agggacggga aatttccagg ttttgtttga ttgaggtcag 360  
 gattcaaagg cacctgcttt ttacctgttg gaacttgctt tattggacaa catacatcct 420  
 ttcttttttt gtggcaaac ttcacaagca ggacttccag ggtaacagaa ttttgttcat 480  
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<210> 1013

<211> 318

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA430108

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 tattaacaca ctacattgag atggattaag ttacttagtc ttttctcatt caaaacaaac 180  
 taaaacctca cagcaagagt aatatttttca caaacatctc caatgtttac ctctccttg 240

ctcggttttc cactgcaggt aagtgtttca gccacagaca agtgcaacaa aaccggttac 300  
tatacacaac gccacgca 318

<210> 1014  
<211> 438  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA430154

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agaggaggaa aacataagct acgatagaaa ggcacttaga acctgttaaa atactgacgt 180  
cctggaatgt gcaacaacac accaatgaca accacaaaaa gtacaccggc cctgccgagc 240  
ctgggtccgtc accgagtcgc atgctgagct cgtcggcctt ccagtgcctt gttcctccgc 300  
tctgctcaag tcgcaaaccc atgaccccg caggacttaa ggctgggggc ctacacaggg 360  
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ctcatagccc ctctgagg 438

<210> 1015  
<211> 436  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA430474

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ggcagagttc agccacatc tccgtctcgg gcaatctccg cacgttctgt gtctccacaa 180  
agaagattcc tgtagactcg tgggcctcgg gtcccccact caggtagtgc ttcctcacct 240  
gctcagaagt caggctgcac tggacataga actcggcact ggctcggcca gcaactggtc 300  
catttcgggc gatgcagaca gcaggggctg gctcaggggt agcagcggca ggttcacctc 360  
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gtcctggtgc tggggg 436

<210> 1016  
<211> 328  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA430666

<400> 1016  
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caccacggac acacagcaga gggcttctct tcatatcaag ggtatgggta aacaagaaag 180  
gctgctgttt cactgagaca ggacgaacca ccaagtccaa atgagaagac aagcagagac 240  
gtagtgtcag accaggaggg ttagaacttg ctagtgtaga gggcaataat ccacttgggc 300  
acacggagga aggagggcag gtaggagg 328

<210> 1017  
<211> 314  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA430673

<400> 1017

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gtgggggggtg gggaggaggg caccaaggct ttctcaagat ttacctgatg tgaacgaatc 180
actggcgtga agttgtgggg aaaagaaaaa ggcaggatca gaaaacaact gaaaataatt 240
tacgcttctt aaaaaatatc tctgcttcgg gtggttgtac aaaatgattt cctgatgctt 300
gggatctgaa tggc 314
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<210> 1018

<211> 290

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA430674

<400> 1018

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cagcccccac tgggccctgg ctccaagcct gtccttgcc cttgcccacc ctggaaagcc 120
aggatctcct atggagtgtg taggtgtcca cgagtgtacc ggtgtgctgg cctcctgggc 180
tgcaggcact caggcatggt ggcagcattg agggaaagac aggtgttggg gagcggggtc 240
ccacctgccc aggctcagga gtcacagggg tctgcacagt cctttctgct 290
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<210> 1019

<211> 392

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA430675

<400> 1019

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ttgttttctc caaacgaga atggtagtaa ctagggcaaa tttcacaggc ctaccaccaa 180
tctcaccagt ccaggaatta tataggaatg gtcacattcc taatgatggt gaagcagaaa 240
gccctcccca cagagagaca gccactggg gaccagctc aagctcttca aaacgtggca 300
gctacaggtc acaagacttt ggcagagatg tccgaaattc ttcaaggaag gcgtcacgat 360
cagagggacg gatccagctc aaatagcttt ct 392
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<210> 1020

<211> 351

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA431337

<400> 1020

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atgtaaaaaac cattcttagc ttgtcgggtg tgggttgatg cccttggttt atgctgccaa 180
ccaagagctt acgcctaatt catatccttc agcactaagt catacagctt tatttttttt 240
gactaaaagg cccctgaaaa tgaaaacttt acacatgcaa gcagagagga gtccgagact 300
ttctgacggg gcaggagggg cagaaaactgc tccctaaggc cagggacagc c 351
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<210> 1021

<211> 351

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA431429

<400> 1021

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ctcaaacaaa ttaaaacaca gacagaaaaa taaagactta cgtcatttgt gttaacatgc 120
caagccatat caccataaga taccagttgt ccattaacat aacactgaat ttcactgttt 180
ctccatcgat tgtaaatgtg gacaatgctg atcatgtacc acttaaataa aaaaattaaa 240
tatatcaata tgtaatgttt gggtattatg gtctaaaatg caattataat attcataaaa 300
ccctacaata atatgctgac aggactatta atgatcatct aataccactt c 351
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<210> 1022

<211> 405

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA431462

<400> 1022

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taccacacaa agaacatcca ttcttgggat ttttaaagtg catttcccct tgaactctgt 120
gtacaaaaat atttatcttt taaaacatgc aaaaatttct tgacaaggca cttttaggta 180
taaaatgaag atgagtcctt gggtctacat tcacactgaa gtaatagtga aacatcatca 240
cagctgcact ctcaaagccc tcagaggtcc agcagtctct aaaaactcgt caacaagact 300
aaaaacattc acggctttac aatgtgggtt acagagcttt acaaccatga ccaggaaaaa 360
ctgctcgtaa caacagctgt ccttcccagt tccacatgtg ttgtc 405
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<210> 1023

<211> 262

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA431480

<400> 1023

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tttgaggatg gacacgaagg aaaatTTTTT ttaacaaatt aatatttttt gctgcctagg 60
caaatggctt ttgtgaaaac acttgatga aaagcaatac accatttgtt tttacttacc 120
aatcactaat cattaggttt tgatgcaaat gggaatttac aataaaatga aacaaatagg 180
atcagggatt atatacaata ctgtgatcaa gtgatttgtg attcaggcaa tgtactactt 240
gaaacacata tctggatttc tc 262
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<210> 1024

<211> 323

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA431571

<400> 1024

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atgcagaggc ctcagagtcc acagtgggca gttggaacca ggccccaggg aatctttcag 180
ctgcattccg gctgtgatcg gcgggcaaca ggtagaggtg ctggaggggg atgagtcgtg 240
attttcagtg tctgtcatat tcgatcaagt gtgtcataga gcttcctgtt tcctctccca 300
gttattcagg gagaggctgg tgg 323
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<210> 1025  
<211> 328  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA431719

<400> 1025  
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gacatatgtg aggtggtaaa tccctccatt ttacaggtct ttgggaagtt ctggggccag 120  
gaaatccaaa tttgataata ggattttctc aactgaactc agggcagagc acagatggtc 180  
tgagtgaacg ccctgtgtga caggtgcctt cctgcaggta ggaacacttc ctctgcagtc 240  
agagggagaa gaaaacatca ggagctggat gtgatttcag atctgcaccg agaaacatgc 300  
tgatttcact ggggatgtgg cagtccca 328

<210> 1026  
<211> 469  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA431773

<400> 1026  
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gtaaaaaagt gaaagtaaca aagataaaca tagaagttgg agttgtaaaa aagtgaagtg 180  
gaattcatgc tgccatgatc tacttgacca gaagcagctt ttcctctcta agcctatttt 240  
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cactgtgtgt ccctttgtgg ccattgtaaga gaccacactg ctgtaggctg agaaggccac 360  
agtggttcag gtgctttgag gacttgggtc ttggtcaata gagcctcact ggtgtttgct 420  
cagattgggc agcctatgcc caagctactt ggctaaacag gctggtgac 469

<210> 1027  
<211> 314  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA431776

<400> 1027  
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gccctctccc tgcccaggga gcctgcaggg accctcggtg ccaggctcgg ctgctgagcc 180  
agcttgggtg tgaagcctgg gctggcagct gaatgatgga gagagggtca agaagggtgag 240  
agaccccccac catggagacc cagcagagcc ttctcaaagt ctgataagcc aaatgtcaca 300  
aggtgacaag tcca 314

<210> 1028  
<211> 425  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA431873

<400> 1028  
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ttgcagaatc	ctgcattact	taacccccga	agtgaatcac	acaaaatggc	tgtaaccagg	180
atctgtttga	agacacagat	gcaaacggcc	attagcttaa	agacgtcaag	gttgtgacag	240
caactacagt	ggaagggacg	tcaccatctc	ctttggcatc	aactattatg	ctattaatac	300
ttgggtagga	caatgagcaa	aatgcttccc	aagttcgctc	cctctcagct	ttggcagatg	360
tgaagctgct	ctgaggttcc	tgacacgctg	tcctgagagg	cgtgtagacc	tccagcacca	420
cagat						425

<210> 1029

<211> 489

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA432162

<400> 1029

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cagaccactt	tggatagcta	tggctcgata	cttctgggtg	cctcctcct	aagacatcct				120
cttcttacat	tccactgaac	agaaaacat	cccttctact	ggcatgaact	tctgccc	aat			180
gaggcatttg	ctgcagcaag	agcacagaaa	gcactctgtg	gatgcatgcc	agctgaa	att			240
gttataggtc	accgctgca	cttctgggtc	gatggcattg	tggcatcctt	gacacaccac				300
agcgtgattc	ttcacatagc	agggtctgca	cacgggcttg	tcattgacca	tcacgtatat				360
ctccccagct	agaatgctat	cacagtcaaa	gcagcagaag	tgtttcaggt	gccaat	tctg			420
gttttctgcc	tgggtatact	cattgctgaa	tatcagctcg	tcacagccag	cacatcgggg				480
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<210> 1030

<211> 326

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA432166

<400> 1030

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tgttcagtga	aaatttcttc	gatcggcctc	gtgtccaaag	ctacctattg	gctcctcaaa	180
agcagctgcg	ccaagaacta	gctagcccc	tttatctcac	tctagctggg	acagactgat	240
tccctccac	ccccacctct	cttctttcaa	taacactggg	taggtgttaa	tggcctgggc	300
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<210> 1031

<211> 376

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA432168

<400> 1031

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tagttaaaaa	ctcgaaaaat	gagcaagtct	ggtgggagtg	gaggaagggc	tatactataa	120
atccaagtgg	gcctcctgat	cttaacaagc	catgctcatt	atacacatct	ctgaactgga	180
cataccacct	ttacgcagga	aacagggctt	ggaacttcta	agggaaatta	acatgcacca	240
cccacatcta	acctacctgc	cgggtaggta	ccatccctgc	ttctctgaag	aagtgaagaa	300
gcactgattt	cagcagctaa	gaaatgggct	cttttaaggc	gatttagaca	ttgcagattg	360
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<210> 1032

<211> 291

<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA433930

<400> 1032

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ctggtttttt gtgtctgctg tgttgatgcg aaggtctgct tgctgcagcc gcctagttaa 240
cagggtgggg ggtgggaggt ggggaggggg gcgagggatg cggagtgggg a 291
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<210> 1033

<211> 488

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA433946

<400> 1033

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aagccccctt ccaccggcaa agtgggaacc gtggtcatgc cacttcgggc actcagcaga 180
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ttggtcagca tgtccagggc acccttggtg gagcagtaga cgctatggtt agttactgcc 420
cgctggggag actggctgga gacattcacg atggccccct ggactccccg ggctattaag 480
ccctggcc 488
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<210> 1034

<211> 488

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA433947

<400> 1034

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tggcaaaacg ttagactagt catatctcag actttcttgt gaaacacctg aacactgggg 180
aggttagata agcatcttta tgaggggtta tctgtactac cggcactggt taaagacatt 240
gctgcagaat atcttggtat gcaggagtca aacagcagtc atcatgccag ctgctcttca 300
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gcttgatatt gtatggcttt agtagtattg caatggaaat ggaaaacaga ttgggtccag 480
tggaattc 488
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<210> 1035

<211> 265

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA434225

<400> 1035

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 gttggggaag cggcctggga gacggctgtc agggttgcag cagggaacgt ctgggatgag 180  
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 cccccacccc ccacggggccg cttgg 265

<210> 1036  
 <211> 217  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA434418

<400> 1036  
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 ctgggacctc agaccctcaa ggcccctggg gctgttgccg gggaggccct gctccccaga 180  
 gccggactgg cctgggtgaa agtgcagggt ctgggca 217

<210> 1037  
 <211> 399  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA435526

<400> 1037  
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 tgactttaga atgatagcaa tttatcaacc aaagaatccg tcttcacacc gtttcaataa 180  
 ctgcagcaat ttccttgaac tgtctgtaga aattctgaaa ctgtggaatc gtcatttcaa 240  
 agcacttggt ctttacttgg cctgaatgat ctgccacttt tagcatcact gcaacgtaag 300  
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 ctacaagctg gttggtgaca tcggacttag catccagcg 399

<210> 1038  
 <211> 320  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA435591

<400> 1038  
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 tacaaaaata ggaacttaac gtgaaaatga ctttaataaa aaatgaatta cccttattta 240  
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<220>  
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<400> 1039

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aatgaaaggg ggtgccatag gcagggacag tttggggcca tccctgaggg ggtcagggaa 300
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<220>  
 <223> Genbank Accession No. AA435665

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acccaagacg aggctggact tgccgccaa gggatttctt ctggatggca ctggggccgg 180
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ctggcaagtc tgtgtccaca ttttcatgaa tacc 277

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<210> 1041  
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<220>  
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ctagcaagcc acaagtacca gagaggggtg aacaggcata tctgctagct ctctcttgc 180
agtcctcagc ctccacagc aggcacaagg tccaaactat tctcaaaaa aaaggacagc 240
ctctttatgc tgaaatagga actttaaagg aagctcttct ttagtccaa atggacgtac 300
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cctgtcacct gctgttcc 378

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<210> 1042  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA435738

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atttcagcca ctttacggga aaaagagaca catcgaaaac ttgatcctgg gacttgcaac 180
cccaccgtgg cacttctcca agaatggat ggttttcacc ttctctccct ttctctgct 240
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aatcgcttgg caatcttcag acgagaaatg c 391

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<210> 1043  
 <211> 383  
 <212> DNA  
 <213> Homo sapiens

<220>  
<223> Genbank Accession No. AA435746

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accagcttc aagtctctta ttataaagtt ctggccacgc acagtgcgtc gcaactgtaa 180  
tctcagcact ttcggaggcc aaggcgggtca gatcacctga ggtcaggagt ttgagaccag 240  
tctggccaac atggagaaac tccgtctcca ctaaaaatac aagaattagc tgggcatggg 300  
ggcacacgcc tttagtccca gctactcggg aggctgaggc aagagaattg cccgaaccgc 360  
ggaggcagag gttgcagtga acc 383

<210> 1044  
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<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA435748

<400> 1044  
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caaatagtca aggtcagac ttgttaaact gtggagttac taaagaaggg gggattttcc 180  
aaattgtaga aacaagagta gtcagatttt cccatcccta ctagctttct aggttaaatt 240  
caatgatgtg aaaacaagca tagggtagag tccatatgat attcatacag gaagaatgtc 300  
cactggggaa gctcttttcg cctcatttca ccacgtcctt atcccctgta cacatcaagt 360  
cagaatgggc tagccatcag ggaagcagcg gtagaagaaa tctgggcgtg gctccctacg 420  
atcagtttta ttgtgttggt aaagacgcc a 451

<210> 1045  
<211> 225  
<212> DNA  
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<220>  
<223> Genbank Accession No. AA435753

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taaacattta tagtggctat ggtttggata tttgtccct ccaagcctca ggttgaaatt 180  
tgatctccag tgttgagggt gaagcctaac gagaggcctt cgggc 225

<210> 1046  
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<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA435769

<400> 1046  
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tttcacaact aagccttttg ccaaaaaagt catttagcac atctttaaag atcaataaga 180  
aatggatttt ggacattaaa aagatcaagt cactgaatta aacagtagca accccatta 240  
atctagaatc ccatagtgt gaagg 265

<210> 1047

<211> 329  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA435777

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agggggctga gcggcacatg cggtgaacca ggccgaggcc ggaggagctg tggtaggcca 180  
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cgggcacccc ggaggcgggc acagggtcac gtgacacaga acatgaaaca caggcacagg 300  
gtcataggcc agatgcacat ccagccatg 329

<210> 1048  
<211> 396  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA435824

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ttttgggaag gtatgtttatc caacataagg atccccatcct tttccataaa tgaatcgatt 180  
aatcatgtca aaagctctca gaggtgggtc atagggtaaa atatgtctc cacctcgaat 240  
aattacctga tggaagtcac ccgcttgccg gatgtaacca gccacttcac tgtcagattt 300  
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gccccatcaag gagcgctctg tcagggcagc tgcacg 396

<210> 1049  
<211> 294  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA435985

<400> 1049  
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tgtcgctct cctgagcagc caggattaac tctgcttagg acgtttcaga taagggtcag 180  
gctggcgctc ttctttctgc ctccatgggt tgccaccttt tgctatgtca ggggggtcgc 240  
ttgcttaaga cgttgcaagg agcaccocaa atgccaggct tcccaccata gctg 294

<210> 1050  
<211> 309  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA436027

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ttattttaaaa caacacgcct gtggggacccc gttcctggag gaagaccgc ttcagtgtga 180  
ttgcctccct tgccttactg ctttttagttc caggcagttt cattgtacat ccaagccttc 240  
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309

<210> 1051

<211> 373

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA436156

<400> 1051

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cagcaggaca gcaaactctc tacttcttat tgccgaaaac tgcagaaaga cacgaacagg 240
atggagacag gaccgagagt gcatctctgc cactgggtccc agtttccagt ttctgggtgca 300
tccaacagag tatacccttt gtattcttgc ttcagggatt ggggtgatact atgtcagcct 360
acgcattttg cag 373
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<210> 1052

<211> 324

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA436473

<400> 1052

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tcgggtcctt ggggtctaaag cacagggcca agttctcaag gatcaacatc ccagacagct 180
cccatggtct ggggcttgga gctggtatga aggggtgaacc aggttccatc ctggactggt 240
tatggttgga gggcctgggc cctggcacca ggacctcagc tccctctcct agtaagtgtc 300
gggatcacc acaggccagc tgtg 324
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<210> 1053

<211> 377

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA436489

<400> 1053

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aggaaagtat ttgatataatt gttgaattcc tttctatctc caagctggca aatttgact 180
atattgtctat cattcagctg ccagctctaa cttgtttgca cacttaaaac atcatattat 240
tgcacaagaa gccagtgaag gcatataatg gtcagttcct cactatttca aaaaaaatct 300
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<210> 1054

<211> 334

<212> DNA

<213> Homo sapiens

<220>

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 atacatttca tgtatcctga gtattatggtt acaacaatct gctcttgata gtaatgttcc 180  
 tgatagatta aaagattgag aaatacttga agaacgatca aagatacaat gagcatggta 240  
 tacttttggg ttaaaatgta ttctttgata actgatgtca tatagatccc taagtaaattc 300  
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<210> 1055

<211> 405

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA436560

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 ttggataaat tctattgtaa caatttcggt ggctattttg ggccataaaa tttttttgta 180  
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 tggcaaaagc catttaaatt ttaacttcca aaagcatata ttctcagggt tgggaaggcac 300  
 actaaaattt attaggtcca attcctcata agacacgggt gctgactttc cttgtgtagt 360  
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<210> 1056

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA436616

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 aatcatggga tttacataat ggcaaaaatg tatatgtata tttataacat cctctatata 180  
 caataatcag tatagacaga gaaaatgcac ttaactcttg caaatcatgc acaccacagc 240  
 aataacacaa aatgtttttt ctgtaacaag cttttccact ggctcagggt tcatcctgct 300  
 ttccaacaat acctatcagt tttaaaagca aacattttca attaaaacta aagaaaattg 360  
 aaataccata gtgatctact aactatttta aaaacacaaat tgtacacaaa atagtgtttac 420  
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<210> 1057

<211> 441

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA436690

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 cacaggcatg ccacatgacc cagttgaggt ggttgtctcc ttgagtctgt tgacacgtca 180  
 catgggtcaaa gtctcctcat ttcagccagt ctcaacacaa aacaccaaac agggatgcac 240  
 tcaacttggt ggttccatgt ggaactaggt ggcagggcga gagggaaagt agtagaagg 300  
 ggctatgggt tgtctgcatt cagtcccctc acataaagcc acatggatct aggggggtat 360  
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<210> 1058



<211> 407  
<212> DNA  
<213> Homo sapiens

<220>  
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aaacaataat ttaacaaaaa atgtaccgga agaagaatgt tcattacaaa tataggaaac 180  
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attttcttag ggatttgta aaaggtcaaa tggggtcaca cagaatacta agaagagctg 360  
ttcaccagg cctcactaag aactcttctt cattcagtag ctatata 407

<210> 1059  
<211> 491  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA436926

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caatttgctt tgcagaaggc tggttttcac ttttccttct ttttgcttct ttctgtcttt 180  
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aaaacctaaa ttacttgcag catagtatta cttctttgat gttctcatta gcataatgtt 360  
atttttgaaa agggaagata ctatcacata agttttctc atctgttgtg atataacca 420  
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<210> 1060  
<211> 227  
<212> DNA  
<213> Homo sapiens

<220>  
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aactaatcca caccagctca aaaaacctgt ggagatttag ttgaataaga atggacgccc 180  
acagtgatcc tcaaccaatt acaaattttc acagaacaca gtaaaac 227

<210> 1061  
<211> 409  
<212> DNA  
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<220>  
<223> Genbank Accession No. AA437265

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atgaaaaaat aaaatgtact aaaaataaat gcttggtgtg catgattggt aaatgatgca 120  
caaaaatagg ttcttttttc cttcaaggca aaatcagtc gaaagcaggt tttttcttct 180

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aatgttgatt tctcctgttc tcggagttag cccccatcc tgaggaagag gtgagatccc 360
cgaagttcga agtggctcaa ggccaagga gttgtcgccg gcgaggtcg 409
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<210> 1062

<211> 398

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA437295

<400> 1062

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<210> 1063

<211> 400

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA437368

<400> 1063

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catttcttct tggcttgccct gaggtgttct tgcaggtaca attaacacaa aatgttctga 180
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cattagaaat tttaaaagcc atgtgtaatt tcagaaaact taataccgctc atgaaagaca 300
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<210> 1064

<211> 229

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA437387

<400> 1064

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gtcctcttgg ccctgggagc ctaaagggca gtgaggagaa ggcttagcaa gaggcctgga 180
gcaggggaag tcaggtccct caggaacccc tcctcccccga gaggaagga 229
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<210> 1065

<211> 408

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA441791

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 gctcactttt ttctggtctt taatctctct gaagggaata tcggggacgg tagttctgat 180  
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<210> 1066

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA441911

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 aggctggtgt gaaactgaag agcttccgca tcttgcttgg gttggtgggc tcggccgcaa 240  
 ctgcctggta ctgctcatcc gtcagtactt tcccgtacag agcatccagc agccactcaa 300  
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<210> 1067

<211> 262

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA442054

<400> 1067  
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 gtcaggcccg tggcggcaaa ggtgcctcat agcatagcca gcattcagca cacacaaacc 180  
 tactgcccac atttgggtca gggttggcca tttgctagtt ctgctgccct cttaagatct 240  
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<210> 1068

<211> 442

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA442155

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 gttttcaaag caatctagtt tttaaaaaag ttgaagacaa gacagaaaaa agaacatgac 120  
 acctaagaga atcagacagg acagacagac gggagcaggg gggcggggac agcggtccg 180  
 tggaggtcag atcttctcca tcttgagat gaggtcgtcg cagatcctgg tcagctcctc 240  
 gttctcttta gtcttctgct ccaactgtctt ctccagcgac tggatgcgca tctgctcctt 300  
 cctcaggctg gccctggagg caacgcttcc gccctggcct tgctccggac ctgggctgac 360  
 tctctgtttg ccagctgcag cttctctctc gcgtgggcct tcagggtctg gtacctctgg 420  
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<210> 1069

<211> 477

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA442334

<400> 1069

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aaaagactcc tactgacagg gctaagttta gccttaacta caaatgcctt gaagggtcca 180
cctcagtgcga gaatcagaga ggaaataaaa ctgccaggga ccagagcagg ctccctgccc 240
tgtcctccca tcagtcaggg tcatgctggt gttaccctga ggctatagcc ctcccagctt 300
tattaattaa ttctcttacc ctgaggctga gggcgaacag taggtagcat gggagtgtaa 360
aggaatttat ctagataagt ttgtttactt atgccctccg gaaatcatgc aagactgctc 420
cctgcaaagg cgggcgacaa tgttcattac tcacaaattg tgttggcttc aggcctt 477
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<210> 1070

<211> 446

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA442342

<400> 1070

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gggaattgtg ccgaatttgc catgtactga taacgtagca ttogatatgg aaaggctcac 60
cagaacccaa gctgttaacc gaagatcagc cctcggcgac ctcccgccg acaactccct 120
tggccttgag ccacttcgaa cttcggggat ctcacctctt cctcaggatg gggagctcac 180
tccgagaaca ggagaaatca acattgcagt aacaaaagaa tggtttatta ttgccagtgt 240
tggcctcctc agtgccctca cactctgcta catgcatc agagccacag ctagcttgaa 300
tgtaaatgag gtagaatggg tttgaagaag aaaaaacctg ctttctgact gattttgcct 360
tgaaggaaaa aagaacctat ttttgtgcat catttaccaa tcatgccaca caagcattta 420
tttttagtac attttatttt ttcata 446
```

<210> 1071

<211> 510

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA442400

<400> 1071

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caagcagcta agctaacctc tgacccccact gatattcctg tgggtgtgtc agaatacagat 120
aatgggaaca ttatgatcca gaaacacgat ggcatacagg tggcagtgca caaaatggcc 180
tcttgatgct catatctgtt cttcagcagc ctgtcatagg aactggatcc tacctatgtt 240
aattacctta tagaactact aaagtccag tagttaggcc attcatttaa tgtgcattag 300
gcacttttct gtttatttaa gagtcaattg ctttctaata ctctatggac cgactatcaa 360
gatattagta agaaaggatc atgttttgaa gcagcaggtc caggtcactt tgtatataga 420
attttgctgt attcaataaa tctgtttgga ggaaaatgga tcttttctag attctttaa 480
cttaacccaa tgttcctttt gttcagttat 510
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<210> 1072

<211> 284

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA442763

<400> 1072

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ttttttacct taagaaaaac caatcgcttt atttttcctc aatatatgtt tagaaaactg 60
gtctgagaag aggtttcatg agatagacca gaggactatg tacaaaatca agagttctaa 120
accaataaga aaaagggcac aatgaagcac acatccccag gggccacggc agcctaggac 180
cttcctatca gtggggaggc aaggtctttg acggcttttg agttcagctg agggatcatg 240
ctgatcttca ggagtttgct gcttgcatatc ttattcttga tggc 284

```

<210> 1073  
 <211> 301  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA443271

```

<400> 1073
tttttttttt ctttaaactg ttaaacttta ttataaatta aaattttcttt acaaaaaaat 60
tgcgcataat atttgaccac tcttaggttc tgatgcactg gcatttgcaa tagtttcttt 120
aatcttcaag ttaaacagtc tcggcaagga gtccagaacg tagaaaggtt aataaacaac 180
cctgatagag cattcaagtg caactagcag acttgtggcc atggcagtta cactttcctt 240
aagatggact gctatagtgt taaatcctga aatgaagaat ,ctcgaaaaaa tttaaaaagg 300
a 301

```

<210> 1074  
 <211> 393  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA443272

```

<400> 1074
tttttccagt ttgtccaaga acctttattg gaaaaatgtc caacaagtga tatcactagc 60
agctgaaggg gctgccaggt gagaggggga gcacctgagg ctccatggaa gacattggag 120
tagtgcaagt cagcatctgc ctctagggtc agacaattcc ttttatttgc tggggtaaga 180
ggagtaccva cagaaacacc cctctctgag ggccagagcg aagatgaggg gcagctgggg 240
atgctcagag tctgataca ggtgaaatgg ggccccatt tgggacctaa tggagtgggg 300
tacaactagt gactctccc tggaccggg aatggaagga gatatcccat ctgatatcca 360
ctccccaggt ccaggggcac agactctgaa cag 393

```

<210> 1075  
 <211> 487  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA443316

```

<400> 1075
ttttcaagac catccaataa tttactgtga tcccatctgt gcccgacaag cggccacaga 60
ggcctgggag gggagctaag ggctgggggt cgggtggcat ttgggatgtt caagacagtc 120
tgtgcacagc ctccctggga gggctctgcag tcacctcggc ccacgggtccc ggggtgactg 180
ggctccagca gcccttcctt ccttccttgc ttcggtcctt ccttcctcct ccttcctgct 240
gcacctcctt cctgcatccg gcacctccat gtccatgagc tgtgctgcgt caggagagca 300
cacacttgca gctcatgcag ccggggccac tctcatcagg aggggtcagc ttccgcagct 360
tgtgctgccg gatctcacgc accaacgtgt agaaggcatc ctccactccc tgccgggtct 420
tggccgaggt ctgatgtag gggatgccgt agcttcgggc gaggtcctga gcctgccgag 480
attccac 487

```

<210> 1076  
 <211> 391  
 <212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA443321

<400> 1076

```
atttttgcta agtaaaaagt aggtttaagg gaagaatcat ttatagtaac actgaattaa 60
gtaaggggttt gtaggtcaca gaatcagact atttagggct gatacttcaa gcataatctca 120
attaacaaaa aagcacattg agactccaag gatgaactgc ctttgcttag tggccagggc 180
actgtcaaga cccagaggtc tcctaattcc cacgctagca caccatacca cccctttgtt 240
caacctcaca gaattgccaa tactagcgta tcaccaggaa tacttacgaa ccatactaac 300
tcacatggaa gaatggcaaa tgaaaactgg cccacatttt cttgttcctt cttcaaagag 360
taatagggtt ctacctaatt gtgaactaga a                                     391
```

<210> 1077

<211> 383

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA443585

<400> 1077

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agagtaaaaa aggagtttat atatttataa atgccaaata aataccagag gccacccaac 60
gccccctccc agacagggtt gtctccccc gccctaggct tctagggtgt gagacatctt 120
ggccccaagc tatagcccaa gagcagctgt cagtctgtgc taccaggga ctgagtgagg 180
atgatctgtc cagccaagtt tcaactcccc tgtgtgaggg gccccatag ccacaggcct 240
gggtccctgt ataggacct aagggtgaaa gactcagggg gagaagggtg ccatctcgag 300
tgagaccgcg tgccacagct ccttggtctg tttgctgcgc ttgaggttct gtaggatgtc 360
gttgaactgc atcatgcca tgg                                     383
```

<210> 1078

<211> 187

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA443602

<400> 1078

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tccaagagaa caccaactgt ttattacagg aattcctatg aaacagctcc aagaaaaaac 60
ccacacatag gaggaagaaa aataacaaag caacactcaa cagacatggg gctggggcgt 120
ccccacagt gcgccgggtc ctggccgggg gaaggctcag agaccgctcg agaactcgag 180
ctgggggt                                     187
```

<210> 1079

<211> 458

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA443658

<400> 1079

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tttttggtcac tgggttcatt ttttttcttg ctctaaacca cctcttctct gaggttggtc 60
atcctcaggg ctgggtgagg tgcaagccct tgagtcccaa gtgtgtcgag gctcctgggtc 120
ctgggtgtgc tgggtgatga gtgggcacat gccccacctg ggggtggtgga gccgcttcag 180
tagatgtagg gcatgatgcg gtaaggcaca cgccggcagt actcctgcc ggccaggccg 240
tacttctgca ggcactgccg ctcatcccgg gcctcacggt gcaccagcag cgcggtgaag 300
tagaggaggt agaagtaggg cagcaggtgt gacacccgc agggcaagga ccaagccaga 360
gccatgatga ggtctccaag atagttggga tggcggacca taccacacca cccagacacc 420
```

agcagtttcc gccctgtggc tgtagagatg gtctcaag

458

<210> 1080

<211> 498

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA443756

<400> 1080

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ttatacaaga acttgcagct gacagaactg acacacacat ttccccaag agaaagaacc 120
cttttcatta gcagagatga attgaaatgt catgtctgag tgcaattcct gctccccact 180
cccacccac aaaatcccaa aagtgaatTt aaatcaataa aatcccatg atttactaaa 240
agtcattccct ccaaactttt ctaactagca gctgcagtgg atgataacca aggaggggag 300
cagctggcca tcatgtagca ttctgtgca tgtgagcctg aaggggacagc agcatgggag 360
caagaatcct gaatgagagt agtatataat taccttactt catacttgcc ccctccctac 420
ataagacacc tctgtcctga tacatggaaa atactagagg agatgctaag agtggtttta 480
gtctacaatt ggaaatgc 498
```

<210> 1081

<211> 447

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA443802

<400> 1081

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ttttgctttc aatttttTgtt tatttttaga aaataaatgg caaaatatat acactgtgga 60
gtctgaatct cctcatcata gagtgtgaac gatgggtccg ctgcgaacgt gctgaatata 120
ctctttggca tgggcaactg ccgtctttgg tggctcaggt ggaggtgggg gcccttccac 180
caacttcaca aaataatggc aataaacctt ctccatgatc ccaaagcgac ctctgccatg 240
gtagcggatg gatttcaggc actggcctcg tcctgaggtg gactcagcta tatataaatt 300
ggacctgaat tccacgttat ggtctctcac tgccatatct tgtgcttcta agagaacctc 360
tttaattatt ttggccctt ttttTgtcatt gaattccaac tgagccaaag cctgggtcaat 420
agacattcct cgtatcaatt ttgccaa 447
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<210> 1082

<211> 481

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA443822

<400> 1082

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tttgtattga tttcatgatt tatttagata tctccccacc cttccaata cttgaaaaaa 60
aaaaaaaaga atggcagtac cagaaggcat tggttaagtg tcccaggaac cacacaagca 120
gtgactccta aagaagttca gaggaaggag agaaccatg gggagggggg gcagtggggg 180
tgggtcaggg tgggctccct ggaggggaga catggtctag gcaaggatgc agactggcca 240
gtaagggtggg tccatgcagg aagctgaggg aggtggaagg cccgtgggtc tcgagcgcat 300
ctgcccggcc tagtcgggga agagcaggaa gccggagaag acgctgtcag agccctggat 360
gccaccatg tcgtagtagt cattgacagc cagccacacc tcctggccca ctttcaacct 420
cagacggaac accgaccag ttgaccgag tggttttgga cgtgtggcca caggaggtga 480
c 481
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<210> 1083

<211> 165

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA443934

<400> 1083

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tttccatgga ggtgggcttt attaggtgac tgttgaggca agggaggttc tagggctggt 60
ggactgatgg ggggcaaggg cttctccttg cttttgaatt tagtgcatgt tgcctagagg 120
ttagatgtgt gagaatagct gcagaagtga gaggagagga aaaga 165
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<210> 1084

<211> 245

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA443936

<400> 1084

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ggcaccagta gtgctgcagg cacggggggc tgtggtgtgg ccagctgcag gtgatctcgg 120
tggtggactc cgaagtgtac tccagagagg tcccggaaatg gcaggggacc agctcgggca 180
ctgaggcgct gctggcaggc tgtttcgacg attccttctg gcgctgtccg ctggtcttgg 240
gggct 245
```

<210> 1085

<211> 453

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA443941

<400> 1085

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tttttttttc agcgtggatt tattttatatt cattttttac tctcaagaga aagaagagtt 60
actactgcag gaacagacat ttttttaaaa agcgaaactc ctgacaccct taaaacagaa 120
aacattgtta ttcacataat aatgtggggc tctgtctctg ccgacagggg ctgggttcgg 180
gcattagctg tgccgtcgac aatagcccca ttcaccccat tcataaatgc tgctgtctaca 240
ggaagggaac agcggctctc ccagagaggg atccacctgg aacacgagtc acctccaaag 300
agctgcgact gtttgagaat ctgccaaag gaaaaccact caatgggacc tggataaacc 360
aggcccggga gtcatagcag gatgtggtac ttcagggccc tgggcaccct gttgatcacg 420
agcctcccgt catagctcag ggaggcaaac agc 453
```

<210> 1086

<211> 299

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA443993

<400> 1086

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tgcgggccg cg gtcagagaag gagagacacc agcagaggac gcgaacgtgg accggccagg 60
ttcagagccc gctcgggttg ctcccaatca gaatctgctt tgtgctccac ggctccaag 120
cactttcatg agcgttctgc tcctacgtgg ccaggctcta ccttccctga cggctctggc 180
caggccagct cggtttccct ctaacccatg aggcctgggg gggctgtgac agaggctgga 240
accgcgggcca gagcccagg gcaggcccg cgtgtcacag caggatgagg ctgggggtgg 299
```

<210> 1087

<211> 351

<212> DNA



<213> Homo sapiens

<220>

<223> Genbank Accession No. AA446242

<400> 1087

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aaagatacat aaaaagggtt ttattttattt aacaaacaga caattgaaca aacaaacaat 60
ggaagcaagt catttgccaa aaggaacaca gagggtcattg atgatctact cctccaagga 120
tttcagggtt cccagacgcc tagttttctg tctagttctg gaagatgtta ttcttgggga 180
gcaataggtc ctcgagtttg gggctcttct aggttctctc tccatttccc cattctgtca 240
caatagataa acaaacaaaa acaattctca cttccagaag atcccgcctg tacgtctgca 300
cgagcccttc aggaggtctg gatgtctggg tcacaactcc cctgcttctt t 351
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<210> 1088

<211> 527

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA446342

<400> 1088

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tgcgccctct gcctccccag ttcgggcaat tctcgtgcct cagcctcccg ggtggctggg 120
accgcagttc acgagaaatc catgaccgta aagtactgtg atagtgtatg ctaccactgt 180
gagcttccag tactagggtga ttggctctgca ttcacagtga ccaaaatcag ctatgtggcc 240
aggtaattca ctgctgaggg ctttggtattt tcctttatga actactgaaa tgagggtcaac 300
ttgactatta ctaagggaca ttttgctaca aagaatgtta gttttgccaa ttccctttcc 360
aaatctaaaa tttattttta ccaggatttt agatgtaaac atcaagtagt tttgggtgtt 420
tcaatgaagt aacatgttta agctcacatt atttgaagta cttcagttcc tattgccatg 480
aaaattgtat ccagcagcta aaaaaaaaaa aaaaaaaacc tcgtgcc 527
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<210> 1089

<211> 404

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA446570

<400> 1089

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tttttttgca tcttaagaca aatattcttt tattttctgtt aaactgaata tacaattgtt 60
ccctaggcaa ccaacttttg cttataacta caatttaatt tcacgttgac aaaacacagt 120
gaaaagacaa ctttgtgaag atctaattac aataataaat aaaataattt atacaagggt 180
ttttttttct tgacttttct ataggggtca tattcattaa aaagcccaaa aggctacctt 240
tgccttaacc cttctgtagt acaggaatga ttctagattt gtttcctttt gttatagaag 300
caaatattgt ttttttaaaa tagcctgaga tgagagggtta tattgtaccc caccagctaa 360
cacactaagt ggatgacaaa ctattctctc ggtaatttat atag 404
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<210> 1090

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA446581

<400> 1090

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tctcttttca tttttaattt tattttttta aaaagacatt gaggttatgg taagaaatta 60
tgaagttaca tttttttaat ctgtcaattg ctacagtagt ggaataaata aataagtttt 120
ttaagttca atgtttatag acatacttat aaaaaaatga ctgaattaga agacattaaa 180
```

taatgttgat acacaccagg aagggattta ggcaaggaaa ggcacatcat attaccacaa 240  
gaaataaaga ccatagttgg aggttaatgg acagccagaa ctttagatct tgtggtaggt 300  
ttcccagctc tggaggggtca ttatgggtgaa acgttcttta tagtactggg ctggaataaa 360  
taaatagcag ttgaggaatt ttaccttgta actg 394

<210> 1091

<211> 328

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA446587

<400> 1091

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gccctcacca cggttaagtc acacatttcc cgacacctgc tcatttctcc agatctgaaa 120  
catctcaccc aacacatcct agttgttgta aacccccaaat gaactttcca gaagcaaaaa 180  
caataacaga ttcagagaac cctgggtcaca cctgctgagc agtccccctct actctgggtg 240  
catatagaat gcttgtttgc tcaaaagaga ggcgctctca acatcaaggc acaaagaaaag 300  
acgtctccag gggcaaaatg atgacgaa 328

<210> 1092

<211> 340

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA446596

<400> 1092

ttttgcagct tccactottt atttccaaag aatcagtgtc acacatgcag atcacaaaagc 60  
gggtctccct gtgctgcttc cttctgtgtt ttctagtctc tcccccaggg gctgcccagg 120  
gccctcagga actgagtgtg ggcaagacac tgctgggcca gagggcacga cgcccacgtg 180  
ggcccgtatt gcccaggcca tttggcagtg cagagccccc ccagcctcca gcaggagccc 240  
cctggcatga gctctccccc caggggtcct gagcaacgtc cctgccaggg ctggtgggtg 300  
gcagcggggg ggcagacacc tcgctgaggt cctgcagcag 340

<210> 1093

<211> 455

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA446651

<400> 1093

tttttctct taaattatct ttcattctga ttatattaca aagaaatgag ctgtggaggt 60  
ttggcactgt tttccatctt aacagttgtt ctgtattgta agattttata tgtgattcat 120  
aatgtactac tataacaaga cacagttttt atatattact ggaataatgc aaagaaaatg 180  
aatttttctt tgggtccagt aattgtcaaa ggaatgattg cagattcaga aaatgtgctt 240  
tgtaataacc ctgttaacat aaagtataca ctgaggaaaa aaataagtat ggcacatata 300  
tggaaggatt agttgtatta gcaaggcatt tcagggatgg ttttggttct ttagactaag 360  
taagatacat ccaatttaga ccccttcaa atccttagac aaatgggaat cacttggtta 420  
cataaagatt attttggtgg gcaggggctg atttc 455

<210> 1094

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA446666

<400> 1094

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aataagatta taaatacaca aacactggag tacatgcaac acattccaca aaggaacaaa 120
aatgtacagc actacagaat agagaaccca aattttttata taaaaagtgc tttaaaaaaa 180
aagaccttgt gacatattca aaccatattt atttgaatac tttccaataa ttaccatggg 240
atacatcatt tataaataat atttaatctc ccctattttt tcaagccaga atttgtgttt 300
caactaatca agtgaacagc cattccatta tgtaatatta aaggcaagtc acata 355
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<210> 1095

<211> 305

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA446864

<400> 1095

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ttttataaat atgtaactgt atttttcttc ctgtccagaa actggtattg aataaaattc 60
aggtatattc ctccaaaacc cacacagttc agagattttc aaacaccagg tttccatttg 120
tattaaaatg ggcaagataa tgaaggcaca ggctcacttt gtatcaataa aggacatcaa 180
acacagtcac gaggcactaa tgacataagc aatcacaaaa agcaagtgtt caaagtcttc 240
agtaactctt ctccctttta catttggaac aactcagtc agatatttta atacctcaga 300
aagaa 305
```

<210> 1096

<211> 393

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA446949

<400> 1096

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ttgaagtaac atgtaggttg tctactgcct gtatgaaatc catgtaatag ttaacaaaca 120
gttacacctc tctataacct tcatgcaact tctatacatt tgataattcc ccaaaatttc 180
caacatttca aaaaacatta tatataatgg gatacttttag tcacaaagtgc tcacctttgc 240
tgagtcaaca aaatattttat atgctcatgt caaagatgcc tactgatgta aagtaatacc 300
agtattgctg catttttacag aagcactgag catattacat tttccatttc gtatatggta 360
gtatcatccc caaaaatgtc aatgtgaaaa ttt 393
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<210> 1097

<211> 421

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA446968

<400> 1097

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ttagggtggg gacagcccct tcagctccct gatggcactg gctgtgctgg caggccaccc 180
aggggagcca tcaccagcat gaggtccaca cctggggctg gggctgagtg ctgtctacac 240
tgctctgtct acacgggttac tctggcactt gtcagggtcca ctcacctctc tggcctcaaa 300
ctgcaggggg agatgggtcc aatgctggga ggcactggga ggccgtggaa cagtgaagag 360
cggactgcac gggctggagg atgccagatg ggcacacatg tccccaggg cagctgccgg 420
c 421
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<210> 1098  
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 <213> Homo sapiens

<220>  
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 agctgaagtg gtctgctcat agtttgtgtg ccagggtgct catcagtatt gatactgtcc 180  
 cagaacaggt tgtaggata attcagagac tgtcctttgc aaaggaaatg accagcattt 240  
 caactgtatg tcttcctgga agggtagatt ctgctatatc ttctttgtct gcatcaaaaag 300  
 actcaagagg aatgtggaca catttcatat cccatttgta gagtaaagct tcaagtgacc 360  
 agtcagcact cctaacttga taagtagacc acaattggac 400

<210> 1099  
 <211> 243  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA447118

<400> 1099  
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 accaaatgtg actggactta actgctacaa ctttatgggt tctatcaagt atatgcaa 180  
 atcttaaatg ggcacatatg catatgtgca aaacaaatga aatatagata cttaagaat 240  
 gaa 243

<210> 1100  
 <211> 352  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA447223

<400> 1100  
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 gactgactaa gcaaagattt taaaaaagga caggatgttt aaaaaatact gataaatact 180  
 gtgtaagtgt ttaatttact gtggcagata caaaaatcaa taattcatta acagattata 240  
 tatgtaaaaa aagtaactac atgaattttc tagcttttta aattaataaa atgtaacagt 300  
 agtggttttt atttttttaa tgaggattta ttacactgta aaccaaaaac ag 352

<210> 1101  
 <211> 459  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA447549

<400> 1101  
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 gtttgataaa ataaaacaaa ctttttagtac catagaaacc tttcaacatg tacaatgaca 120  
 tattattact atgtacaact tcaaaaacaa atgcttccag ctgcaagtaa actgatgttg 180  
 aacatcctgc ctatatttca gctgtacgaa atttcttgga tggccaatgg tctccttggc 240

ttggaaaaaa ttatataaat aagaccttca atgagttggg aatcataaaa atgctatctg 300  
 aaattcagtc atctggatct tgggaagttt gcaatagctc taagagttca acaagcaaaa 360  
 taaaaccctg gtggatattt aaacttcagt tgtccaagac gtcttgtagg ttcacagttg 420  
 gtctatcaaa aataaaagct attcctatcg tggcaaaaca 459

<210> 1102  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA447574

<400> 1102  
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 ggcgctgcac tctgcgcagg gctcttggat ggcgctcacc acgtcacgtc ttctgtgctt 180  
 tcggccaagc actg 194

<210> 1103  
 <211> 467  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA447617

<400> 1103  
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 agatgacatc cggaaggcat cagaacgtct gaagtctcac tctaccagag gccaggagct 180  
 ggcacgagcg aagccaggaa aagactgccc cagccccaga atagcaccat ggtgggggtg 240  
 gggggcagtc cccccggtgt ccccaaagca ttcttgcccc tgccctgccc caggctctgc 300  
 cttttctgct gctatgaaag gtccagaggg ccttggtgct tgccccacctg cccacacctg 360  
 gacagacatt ttggacacca ccagattctc tagccgtggg aaggggctat ggtcctctct 420  
 ccagggtttcc gccccaaacc catgctcttg gtaagaatta tgggtgg 467

<210> 1104  
 <211> 283  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA447687

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 actccttcac ttaaggata agtctacccc taaagtgcac ttctcaggca ttaaaaacag 180  
 cactgtgatt tgctttccac agagtcttaa ataacagcca cttcttcat ttgagaggct 240  
 acagagttca agctgagctg tgacaggagc caggggggcca ggg 283

<210> 1105  
 <211> 398  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA447732

<400> 1105

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 aagtacaaaa gggacataaa attgtatata cagaataacg actatgtaaa cacacaaaaa 120  
 atctatgcac agaaatgtct agggggaaca ttttaacacca aaagattaac agtggttagca 180  
 tttgggtggc aaacttgatt ctttctaaaa tttccatatt ttccttaata agcagtaatt 240  
 ataattacaa cgggaaataa tttctttaag taccagtgct agtggtactg tcaataaac 300  
 atcagtggtt ttggcccaaa tttttaaggt ggcaaacgcc gctgccccac tccccaccca 360  
 tccccaatag ggcttgagca cctgtagccc tgctgagc 398

<210> 1106

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA447740

<400> 1106

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 aggaagcagg aacacccagc gccgttcccg cccatcctcc cgtccgccc cgtccgccc 120  
 gtgctgggct gtggcctcca caccagcag cgccttggg cgccttccct tcgtcgggtc 180  
 gtgcagcgcc gcgtcccttc agcttaggcc cgacactcca tgaactctca ttttccacct 240  
 tctccgtctc cagcttccaa gctgcacagg gccaggccga ggtacgtgat ggcgggcact 300  
 gaattacaga tcccgtctgt ggccgccagc ctctgtgtcc tgccaccttc tccgagagga 360  
 catcaccgcc accaggtgga gcgagtctcc tcctcg 396

<210> 1107

<211> 277

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA447777

<400> 1107

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 gcctccctaa agcaggacgg agcccaggct ccctgtcgag gactgacgaa tattgtggac 180  
 acaggctgcc agacaatgtg tgagcaacag ggggtggcca gggccccctg ctccaggctg 240  
 ggcgtcagaa acccttcccc agcccctcgg acttccc 277

<210> 1108

<211> 262

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA447802

<400> 1108

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 catccaggaa aacaaagcac acagacttat agaatacttt gggttaaaaa ttattcataa 120  
 tatcaatatt aaacctgatg tttaaagaac ctaatgagaa atatagtga aaaaacaaac 180  
 catgaaaaca caagtttgca tagatgaatt aatgtagatg tacaattggc atttaaaaaa 240  
 ggaggtttgc gttttgggag tg 262

<210> 1109

<211> 497

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA447876

<220>

<221> unsure

<222> (1)..(497)

<223> n = a or c or g or t

<400> 1109

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atgggagctt aatataatcat atctaattta aaataatttc actgaaataa actccattgc 180
ttttacctaa tttttttctt gagatgcttt tgtagttttt cagagtttta gatgatttta 240
tacaaaaatcc tctgcctagc actgctcttt ttgatgttgt agtgacacca ttacattga 300
attaatgctt ggtagcctgg ggctangatg tggaaactcca tggatctgtg ttctgactgg 360
cacctttgga atgaaagaaa agtgtgtgct gtccaaattt tttccctta attctttccc 420
tcattcttct acccataata gaaattttat ttccattgtg agttctgaca agaataaaat 480
tccacataca acataac 497
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<210> 1110

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA447971

<400> 1110

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cagctggtaa agtgattgct atttgctgtt tgttgagatt attcaccctt gacttaaagc 180
agcagtatct gatcttgtaa aatcctcaat ttgcattaca tcactttctc tttgcgactt 240
ccttttcttt cttgcattta ctgctttgta aatagctgtt ttcagtttat aactgggact 300
gatctttaca tcagggtttc tcagccttag cacttctgac attttgggag gggtaattct 360
ttgaggctgc tttccttggt tattataatc tatttagcaa catccctggc ctctacccaa 420
ttcatgctac tagtatac 437
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<210> 1111

<211> 409

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA447977

<400> 1111

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ctatactgat tatatttatc atgtgacttc taattagaaa atgtatccaa aagcaaaaaca 120
gcagatatac aaaattaaag agacagaaga tagacattaa cagataaggc aacttatata 180
ttgagaatcc aaatccaata catttaaaca tttgggaaat gagggggaca aatggaagcc 240
agatcaaatt tgtgtaaaac tattcagtat gtttcccttg cttcatgtct gagaaggctc 300
tcccttcaat ggggatgaca aactccaaat gccacacaaa tgtaacaga atactagatt 360
cacactggaa cgggggtaaa gaagaaatta ttttctataa aagggtcc 409
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<210> 1112

<211> 408

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA447991

<400> 1112  
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 tgcccgtttt tggtgtccca ggctctgtgc ccctcactca gtcaagaact tgtctttgtg 180  
 ttgcttcttg gggacatgct cagggcagaa gtcagagcgg aggaggcggg aaaagtagat 240  
 tatgatcatc acgtccagca tgagcaggat acccagcagg aaggtgcccc gggtcctctg 300  
 gttcacataa cgcaagaaga aatgggtgag gtaggcctga gggggcaggc ggaagagaaa 360  
 gtacatgacc aggttcacat acttgtaaac ccggtagagg agatgatc 408

<210> 1113

<211> 506

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA448002

<400> 1113  
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 ggaagacatg tataggacaa agaaagatgt ggggggtggaa gaggttgat ggagcctcca 120  
 tgccctctct ggatgccatt ggttgactgg gggaattaat tccctgggtgc ttccagcctg 180  
 caagatgagc tccttcaacc agcaagtcct cagtcaaaag agtgcacggg gtgtagctgg 240  
 aagttgagca gatggtagtt tgcattgatg agataaagcc ccaggggaca gggcagctac 300  
 acatgaatcc aaatagtcta atctccaaaa ggaacagaga gtggattcat acaacatacc 360  
 aagcccgccc cctaaatgca tcccactcag gtcacttata aagctccaag gatggggcaa 420  
 gaacacaagc tctacaccag ggaaacttgg aggcacaga aggacagaat aagacccagg 480  
 ttcattaggg atgaaaaatc gaacag 506

<210> 1114

<211> 297

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA448252

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 aaatcatttc tgtaatatgc ttcccaaaca gggtttggaa ggtagtctag gagctgtaat 180  
 cacttattgc tgtgtgtctt caggcagtg tctctgtcag aggctcggag aaggttctct 240  
 tgcttcttgt agctttgtga ggatccacct ggcacacctt ggggtcttga agttaat 297

<210> 1115

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA448282

<400> 1115  
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 gcacttagtc cttagccttt agttattgca caacaattat aaagaccagt gaccaggaca 180  
 cgtggactct gacaggcaga tcggcctaca caacgaaaaa tcagaacagt acaccaactg 240  
 gaatgggtcaa acaatttaag tcaaatgttt taatgggtgca attaaaataa ggggttcaaac 300  
 atgttttcaa tatattaatt tctttaaagt catgttcagg caaggtgctg tttaaaaaac 360  
 cactattagc tttgtccaca catgtaagtt atcaaaagtt acccaaggta attttgacgt 420  
 tgaatg 426



<210> 1116  
 <211> 423  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA448300

<400> 1116  
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 gtcaggtgcc aggggagtc tggccggatt ccacgctcc aggtgtttct accgcctgcg 180  
 gtcggacaga cggcggatgg agctgcggaa agttccctcc tcttcacggt gttccccagt 240  
 cctctgctgc tgggtgaact tgcaccggca tcttctgtc agcacgatga ggatgcccag 300  
 gatgaagagg atccccggca tgacgaggcc tccgatctgc agggactggt agtcgtaagt 360  
 gaacgggtcg tgttcctttg gactttctgc cttggccatg gtgaggagac ccacacagaa 420  
 aac 423

<210> 1117  
 <211> 289  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA449073

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 actgctacct atactttcac cccattttatt aagcccaaaa cacttcaagc aacttcaggt 180  
 tcataaatta ataaggaggt acagaagccc aaccaggatg ggaaagaatg tgtttcaggt 240  
 tagaagggga cagcatggct cccaatgat gtcttgtatg gaacatttg 289

<210> 1118  
 <211> 490  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA449108

<400> 1118  
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 aatatgtaaa tttcattgtc aaatcatgat tttgttactc tgctatacaa cttggtacca 180  
 tatcaatgct actaaatgac tcaagagtaa gacattatgc attccgttta tatgagaaaa 240  
 agagattatt tacaactact tgaaagagaa acagaaatgc caacaacagt atcattcaaa 300  
 ttctagtgca atgtcaattg ttaccaagag atcttatttg cttatataaa ttttgcaaat 360  
 aattcaaacc tggctatctt attagaagct gacaaaagat gcttttctgt tgcaaaagat 420  
 cagtggacaa aaatcctcca caacctcagc tgataaaaaca aatttaagca gcattttttt 480  
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<210> 1119  
 <211> 538  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA449122

<400> 1119

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tccgcccaga atatgaggct gacttgggca cactagggga ataccctaaa ggctgaagg 180
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ctcaaagcac gtttatggaa atgaacaggg tgggggtggc cgcgctcgcc ggtcacatgt 420
tggctcgctt ccgctgcagc cgcgagttgt aggcgcgaga caggtgttc caggcgctcca 480
tgtagcggtc catgcacatg gcgatgcact tctgctcgga gttgtccagg gagcccc 538

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<210> 1120

<211> 413

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA449267

<400> 1120

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gattaatatt tctccctttt ttcttaagaa gtcaatagtt cttcatatcc acagtcatga 180
gtcatttttg aggacatgcc agaattacca atgtaactgt gaggcaggaa aagtacactc 240
ccaggggaagt cagagtaagc ctgtttccac cgcagcacag cagtgagcac agctaggcag 300
aattccagca gagtgcaaat cagcatcaga gagagagttc cagccagact ggctttggct 360
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<210> 1121

<211> 503

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA449297

<400> 1121

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ctaaaatctt tttttgacat cttcacacaa ctcaattcta aaatatcctt ttacagagat 180
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taagtcggca ggtttccaat cagatagctg ctctctgac agcaggcaaa gaacttcct 300
cagctatctc ggaggcctca tacctccatc atgtgaagag tcaaccagtc ccatctttcg 360
gaatgctctt tcagaatatg taattttata agtatttttt tttctactga gagaacatag 420
atctttcaaa ggcaatggca gaatacagct taaatggaca cagttcactg ttaacattgc 480
ttatttttta aggcattccag gag 503

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<210> 1122

<211> 490

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA449306

<400> 1122

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tttaatcatc caaaatgcat gtataaaata tagaacaac cctagtattt aaacataaac 180
agggttagct gaagcagctt tattgcaatc tcttcaagtt agcatattac agtttaaata 240
tttatgcctg taaagatctg cataatctac aatacagagt tatttcagaa gcagttgact 300
taactagttg agaaaaaaaa acaacaaact tcaacgcaaa gctataataa tttatccgaa 360

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acttattttac aattaaacat ttaggggtcct gatttacaaa actcagtgcc ttatcatgatt 420  
tattgatgag ttttatagag aaagtaagca gtatgtagaa tattccccag gtaaaatctg 480  
gagtgaatgg 490

<210> 1123  
<211> 500  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA449327

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ctctgatctc caaaaccata aattgctgac ttccaggtag catcatgaat gctcaacccc 180  
tcagggtcctg aatgtatagt caggaaactt tccacagcag tcaaagtacc attcatttta 240  
tttctgggat atattactcc cagatctgct ggaatggagt caaagccgct gcttccaatg 300  
atataaacc ctttgtctgc agctttctca tgatacttca gttgcattag ttccagaaac 360  
tgaggttctc cactgatgtc gatacaactg gctccatttt caatacatgc ttttattaca 420  
ggttctccat aaaaccgata tggtcctacg caattgagga caactgttga ctgttttagc 480  
atttcatcaa gcgaggctgg 500

<210> 1124  
<211> 306  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA449431

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aagctgggtg caaattattt gactcttact tgtaaaaaaa atccttaatt ctttttgtgt 180  
gtgagacacg tggttcattaa aaagtacata taagcaaaaa gaacaaaaag aagaaaaaca 240  
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<220>  
<223> Genbank Accession No. AA449448

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gaaaagcttc agcatgaagt gtaatcacca cattcagttt caaagttcaa atgccattc 240  
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<220>

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cctcaatctc	cagggccact	tctgcaggag	ctcgggttcg	aggttccacg	tggccagaag	240
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<213> Homo sapiens

&lt;223&gt; Genbank Accession No. AA449458

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<213> Homo sapiens

&lt;223&gt; Genbank Accession No. AA449475

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<213> Homo sapiens

&lt;223&gt; Genbank Accession No. AA449479

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<213> Homo sapiens

<220>  
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cagcccattt ctttcctttg tttttaactg cgtaagatg gaaaacccta gttcacacaa 300  
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<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA450114

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aacatgtgat taacaggaag gagatgattg gtgagttttc ttcgtaacca gggtcactgt 180  
ggataggaag ggctgcctt ccttcccacc atggagatcc taaaatcaca agctccagcc 240  
tccatcaatg atgacagggt taccagttac ataagcagat tcatcagaag ccaaatacac 300  
gcagagcatg gctatttctt ctgcagttgc gaatcttccc gtcttttgtc tcttcaggaa 360  
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<213> Homo sapiens

<220>  
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aatatttatt gtattttttg tttgtggcag aacctcaaca gattctgctg ctgggaaggg 180  
cctcagcgtt cctgaagaga gatgtagggg accactggtg tgttgccccg gctttcttcg 240  
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<210> 1133  
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<220>  
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<400> 1133

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<210> 1134

<211> 380

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA450281

<400> 1134

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atatttgtag agtaggtgaa gaaaatatag aacagaacat gaacatttta aaatgatatt 240
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<210> 1135

<211> 380

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA451676

<400> 1135

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gcgcgtaccc tattaaaatt caggacatct ccaatattct ctctctctgt ttttctttgt 240
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<210> 1136

<211> 446

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA451680

<400> 1136

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 <211> 427  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA451877

<400> 1138  
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 cccacccccg cccaggtcc tggtcctaac cacacctgct ccctgacccc agtcttggt 240  
 catgctgagg tgtgcacctc tgcccttgac ccctgggctg gcctgggagt gtccctctgc 300  
 gggagggtcag agatagctc cccaggtaca gaatcaccca catcctggag catctcccgc 360  
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<210> 1139  
 <211> 452  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA451911

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 ggtggagtaa aatgagctct atctagggctc ttcctcagca ttgcttctcc cttgtctcta 300  
 atttgaatgt ctcccctgca ttatgattac tctgattcaa ttatatattt taaaaatcat 360  
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 <212> DNA  
 <213> Homo sapiens

<220>  
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taa	atc	acag	cta	atga	acc	ttat	tcg	atc	tgta	aga	acc	gtga	tgag	ag	tgcc	att	gat	240		
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 <212> DNA  
 <213> Homo sapiens

<220>  
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g	ct	tg	cc	gt	c																						120				
c	ac	ct	ca	at	g	tc	gg	cc	ac	at	ag	tt	ct	c	gaa	ga	cg	gt	gg	gc	ac	gt	ta	ca	ac	ct	180				
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 <213> Homo sapiens

<220>  
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tga	ag	tt	tag	ac	ca	at	ct	ct	g	ag	at	gc	gt	gg	tg	at	cc	t	gag	ag	ag	ag	caga	ct	gc	ct	g	cca	420		
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 <213> Homo sapiens

<220>  
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at	gc	ctt	acc	ca	agg	ct	at	c	tgt	ct	at	at	c	tg	ag	t	gag	gc	c	ct	aaa	agg	c	tag	cc	a	gaa	240			
gt	tt	ct	gt	gt	t	gg	gg	t	gg	g	g	g	g	tg	g	at	g	g	t	g	g	g	g	g	g	g	g	g	g	g	300
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<220>

<223> Genbank Accession No. AA452454

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cattttttac atagacttca gttgagatgt atacttagca aaattatatt taaattgaaa 360
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<210> 1145

<211> 263

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA452536

<400> 1145

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cagtaccctg gagaggaaag gtctcaaagc aaagtcacaa tgtagtggt taggaccct 180
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<210> 1146

<211> 367

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA452549

<400> 1146

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<210> 1147

<211> 366

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA452559

<400> 1147

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gccttactat aatgaactgc aaagaagtat gtatactgtt tgaaatgagg aactttatcc 180
aggcaaacat gggatgtcaa gagtggcctg tggtactgga gacaaggagt atcaagtaat 240
tgacatgtta cttgtctgtc agattttaag aatactgtta tttaggcata ttcaaagaaa 300
caactgcctg ttttaatatg gataagtata taacgaaaac atttaatatc cataaccccc 360
tcaaaa
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<210> 1148  
 <211> 390  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA452598

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 cccaagatag tgactgggtat gaaaggagag ggaagagggt gacagatgga aacgattgct 180  
 gtaggacagt ccatctggcc agatgcggtg cggggaggga gaagaagtgg gagagagatg 240  
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 cccactcac tttccctttc cttatgggct 390

<210> 1149  
 <211> 476  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA452724

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 aagcaagca cagggaagca gaaatgagaa acagtatctt agcccaagtt ctggatcagt 180  
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<210> 1150  
 <211> 409  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA452855

<400> 1150  
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 gacagtggat agaaaaccct tttaaacttt aagtaatgtc ataaaagaaa tatattaaac 180  
 aagcaacaga cagatctaaa aagttccaag tgtggatttc acattagatc ttataaatta 240  
 aaaaaatcct caatataatc atttgttcac tatcttcttt caataagcac atggacaggg 300  
 aaagataatc acaccttaat attcacaact gctattttgtg ttcttttaca aaattgtatc 360  
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 <213> Homo sapiens

<220>  
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 aactatccca gagcatgtca attctattat gaaagtatta ctttgacatc atataaccaa 180  
 ttattaatag aaaacacaca tgccaaaaaa ccttaaattt tgtaatcttc aagtcaatca 240  
 tcaacttttc ttgaattttt gaagacccga aaagaaaaat aatttcaaac aacagcactc 300  
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<210> 1152  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA452915

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 aaacgaaagg ggggcagaac agacagaccg acagaaggga cccgggagggt gggggagaag 180  
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<220>  
 <223> Genbank Accession No. AA453477

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 cccatcactg gccaaagaag tcggggcactc ttcctttcac caagtgttca actttggagg 180  
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 aaaagactga gtgtttgcaa taaaata 267

<210> 1154  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA453628

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 tctgaattag caccattagt tcagaaatca cagatgtaat tataattgct tctaataatat 180  
 agaacacctt ataaagatct gtaaaactatc taatagcaaa gttcttccaa aaacgcattt 240  
 aaaaatcaat cagaattttac catttgaaac tggtgaaaaat ggtttaaaaa tggatccagt 300  
 tctaaagctt gtcaaaggga atgagccata attagtttta ttggaagaaa agtgc 355

<210> 1155  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA453656

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 gtaaattacc ctacagtagtg gtttcaagta gtccataact ataaaaatcg ttacggccag 180  
 gatatgccgg aacagaacac tccccactgg ggtcctcagc cttggatgtc agctcggccc 240  
 ctcaaggggt ccctacacct ggaagctgat tccactcatc agtctcgagc tgggcgcatg 300  
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 gagcatgggc accagcctca ctgctgggtc accctagggc atatgctgcg ggctgttgtg 420  
 gcattcctgt ggccagccca gaggcaggca ggggctgtct ggggtttgcc atgtgcacca 480  
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<210> 1156

<211> 452

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA453757

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 gtcceaacia gaagtaactt tccaggaagc tgccggcccc ggacgcgcca ggatcgctgc 180  
 ctgctgtgct ctggccgccc gggattcacc cggggaggcg gggccgcggg ggaaggctcg 240  
 cggggaatac agcacacttt cccctaaatc cctcgtccgc gccgagtgcg gggctctcag 300  
 agttcaccta gtcccacctc tcaccacaaa cagtttataa atggggaagg tcagacaagt 360  
 tagtagcaga gctgggtcta gaaccagga gttcgaatgc aatccgaggc tcatatcgag 420  
 actttaagtt gtccgattcc gaagtttatt tg 452

<210> 1157

<211> 419

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA453770

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 aaattatgaa aaccaatcca ttaaggctcc ctttatatat attatataca ctcaaacaag 180  
 tcaagatttt tcagagtaga agaataaagt cgactgttat agcttagaaa gcaacactac 240  
 tactatgaga ctataaaaca ttaactatt ttaagaaaac cacgctgtgg aaaaatggag 300  
 ccatttttgt caaaaagtgg ctcaaagcac aaaactgtc agatgttcaa ggtcctagg 360  
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<210> 1158

<211> 310

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA453783

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 taaattctta aatgccataa tttttgttca actgctttgt cattcaactc acaagtctag 180  
 aatgtgatta agctacaaat ctaagtattc acagatgtgt cttaggcttg gtttgtaaca 240  
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gccaccaaac

310

<210> 1159

<211> 487

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA453917

<400> 1159

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atggcagtc tggaggcagg gggtagggg caggtctagt gttcctgcac caaacctaag 180
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ccctctcaga accaaatctt tcccctttct cggggcttgg ggctcgggcc gtaggggctc 420
ctgagtgtca tgaagtgcac aggagccaaa tgaccgagcc ctggagagcc ccattggtggg 480
taggtgg
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<210> 1160

<211> 316

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA453988

<400> 1160

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aagtataaaa ttctgaattt tcatgtcgag tgtgagccaa gttagaggaa cttggccacc 180
tgcaaacacc tccctccctc catgggaagg aatctgagga ttcttaggtg accaggagcc 240
gggcttcttt tgttgcttta atttcctttc acctgagaga aaatgaaagc cagggtcttt 300
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<210> 1161

<211> 419

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA454086

<400> 1161

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ggatgtttta tgcaaaactgt acattctcag cagagcacia gtatcaaagg gacattggat 180
atattttaat aatgatctaa cacaagcaaa aataaccact gaaaatataa aactcaacaa 240
gagacataag aaaaaagcag acagaaaaca aaaaaaattc ttattttaga atgatgctat 300
atgtaacttg taaaatattt aagtttttat acatgagatt atattgggtt ccttatttta 360
agaaaaaaat tacaattaag aatggaaatt aaaatgtaaa accaagataa atattttttg 419
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<210> 1162

<211> 438

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA454159

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 agaagaggtc aaatggacag gagagagcgg agattggttg ttctcagggg ctccttcctt 180  
 ttgcctgctt ctttcatttg ggacgccaga ccttgacctg gaagtgaggt cactattggg 240  
 cagtggagtg tgagaaaagga ctttggcctg ggggctgcaa gttacagatt aacacgggga 300  
 ggggtgagga gggacccaga gggaggaaaag gtggccagag gaaggacag ctgacctggc 360  
 acaatctggg cttgaagggg gcacaacaag agcgtctgtg agctggtgct gtctggaggg 420  
 atcttggtc ctctccgg 438

<210> 1163  
 <211> 265  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA454170

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 atatgattgg atcttgtaat gaggggattc aggaggcttg atctgactgg atcacgccag 180  
 ggctcaatct gattggatca aggatcatgc cacgtggtgt ccacttctta actcagtccc 240  
 tgttcctcag tctgagcact taggt 265

<210> 1164  
 <211> 412  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA454177

<400> 1164  
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 taggttgaga aaacttgagc aaaattagtt ttatttaggc ctgtgggtta aaaatattga 120  
 gatacaagag tttttttttt tttttgagat ggagtctcgc tctgtcgccc aggctggagt 180  
 gcagtgatgt gatctcggct cactgtaacc tccgcctccc gggttcaage gattctcctg 240  
 cctcagcctc ccaagtagct gagattacag gcgagtgcac cagcccagc caatttttgt 300  
 atttttagtag agatgggggt ttaccatgtt ggtcaggctg gtctcaaact cctgacctcg 360  
 tgatctgccc acctcggcct cccaaagtgc tgggattaca ggtgtgagcc ac 412

<210> 1165  
 <211> 559  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA454184

<220>  
 <221> unsure  
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 caccctccag aagtttcctt caagccgtac cttcagggtg aggtcagcgc aactggcca 180  
 cccgggacca cattttccag aatccttttg cgggtcccgcg atgctctcgt ggtcagcagc 240

tctcattggg ttgcagagga gaaacttgtc cgtgtcactg gggcatctta acagtcggct 300  
 cctaagcttg gttgtgtgcg ccgcaacnng tccgcgcacg cctgaggctg ggatgccgcg 360  
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 ccctccgcga atccccggcct ccggagaccg tcctggtaaa tgccctggcc aggactggtc 480  
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<210> 1166

<211> 434

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA454597

<400> 1166

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 aggactcaaa gtgaggctgg aagaggactt agaagagtat gaaagtactc taagatttta 180  
 tctaagttgc cttttctggg tgggaaagtt taaccttagt gactaaggac atcacatatg 240  
 aagaatgttt aagttggagg tggcaacgtg aattgcaaac agggcctgct tcagtgactg 300  
 tgtgcctgta gtcccagcta ctcgggagtc tgtgtgaggg caggggtgcc agcgcaccag 360  
 ctagatgctc tgtaacttct aggccccatt tccccctctg aaaataagag gggttgatca 420  
 aacgatctct gggg 434

<210> 1167

<211> 297

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA454667

<400> 1167

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 tctgagaata caaatgtcat ttaaagttaa ggcttcgctg ttcattttga aacaacaatt 180  
 tacaagtgtc atattgtcat agaaaataat aatttctgta aaaaaaatct gcacaaaatc 240  
 ttatgatggg acaaaacatg aagcaataat ataccagtaa aatgaaaaca ttttact 297

<210> 1168

<211> 82

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA454710

<400> 1168

tatttttgac ctgtacaata ggcactttat tagtggttgg aatgcagtta cacgcagggg 60  
 tgtgcagacg caatgggggc ag 82

<210> 1169

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA454733

<400> 1169

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gggtcgaggg tcccagggtg tcgggggggt ggagatgcag agagagctag agggtcaccc 180
ggcatctgtg aggacggctg ggtcaaggcc ataagctggg atctgtacaa gggaaacatt 240
catcagaatg tgaccacact gaaacaggag ggaggaaaat ctttaaaagt cttacaggta 300
aggtcccctg ccccgaaaaa aaaaaaccgt caaaataata agggggtaat gtacatttct 360
caccagctct tggcaccaat tttgtg                                     386

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<210> 1170

<211> 194

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA454830

<400> 1170

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gggtctcaag gcgcggggag ggtctgcggg ccctgaaggc ccctgggtcc gagccacaag 180
tcgggggcaga accg                                     194

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<210> 1171

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA454908

<400> 1171

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ctggcccagc ccagagctgg gacctggagc acgatctgtt gacttccctg ggtaggacac 180
tgccacctct gggctcaggt cctcatgcct ccaaattggc tctagagttt gagcagcctt 240
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ccatgttgca atgcaaacac cttcaccact ggggcagtgg ggagagatgg ctatattaat 360
aaaataacgt gtgtctttc                                     379

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<210> 1172

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA455097

<400> 1172

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tttctgtgtg ttttacagat ttcaagggtg ttctacgtgg cttcagcaat tctcacaaca 180
aaccctcagt gggtcagggt cttctaagat taaaatgtta acaccaatgc gtgtgaagta 240
cagtgaagta cagtgaggtt aaggctcagt ggcaaaccgt aaagaggccc acacaacaca 300
ccagggatca gagccagggt aaattcttgc tccccacctc caccacacct caagaagaaa 360
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<210> 1173

<211> 308

<212> DNA

<213> Homo sapiens



<220>

<223> Genbank Accession No. AA455111

<400> 1173

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atcattttaga gtaaaataaa tgtgtacatt ctctatgttc tcaatcacct ggggaaggag 180
tctatggaat atcaggaagt aagagttttc ttgttttcag gaacatggag gtatatacac 240
ttcagaattc agaaggtaac tggggctata aatagtaatt aaaagaacaa aatagaagca 300
gggggggtt                                     308
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<210> 1174

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA455239

<400> 1174

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cagttttttg gctttactcg tggcatgttt taacttttct ctaacttgaa catcttccaa 180
atctagctgt gtaaattttt ctttattctc ctcaataaat tttgtaattt tattcagttt 240
cttttttgta tcttttacat ctttattctt agctttcatt tcatttgata gtatattgct 300
cttctcatta atttcttttg tatcttcatt aattttttcc ttttgagttt ccatttcagc 360
aattcgtttc tgcaactcat aaatataata ttgacaaaca tgattctttt t 411
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<210> 1175

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA455261

<400> 1175

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aataaaaccg cgctctacat ccactctgac tctcccagca cacacacact cagcaaaggc 180
atgtgcttgg aatcaactcg tgcccccgac cctcccaga tacattcatt tagtctgaac 240
aaagctcgaa gctcattctg tgcaaaggaa gcgctcttgt gctgagacct ggtggccgca 300
gctggccact tcgaaagcaa aagctaaacc acctcacaga agcacagcgc ctgccccag 360
aacaagggga caggaggagc ttggcaacga ggtcatcacc cgaacagcag tgacagtcct 420
gcattcc                                     427
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<210> 1176

<211> 185

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA455367

<400> 1176

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atataacatg aagggaagca taactttcag aagtcacaa agatattatc ctgttgctct 120
cattttctta aaccattaaa atattttcat ttataaaaaa taatctaaat ataaatattg 180
acact                                     185
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<210> 1177

<211> 443  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA455403

<400> 1177  
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agttcttctt tactatatat aacgtgcggt cataccttct ttcgttgtgg gcgggacgga 180  
agagcagagg gagcatggcc aggggtgttg aggccagcgg tgagagccgt gttagccaag 240  
acatggaact gtgttctcaa gggttatgtg gggcggtggc tctcatagtg tgtatgaaaa 300  
gcttgttgac tctagcggct cacagaggac tttgctgggt ttctttgtgt gaatatctcc 360  
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tagtaacgctc ttgtctgtga tct 443

<210> 1178  
<211> 342  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA455521

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tcaacaaaat gtgataaact taaagtgcta aaacagaagg cacttcacaa aatctgttca 180  
ctgaaacagt tatatatact cgtttacatc ctacacttta caagtggcag tgaacgtctg 240  
tttggataga aggacataca gaaatacagg cagtttagtg gcagtaaaaa tataagacaa 300  
gtaatgagtc cttggccaac ttgtttttga tgacctgtag tg 342

<210> 1179  
<211> 240  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA455522

<400> 1179  
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gacagctgga agatttggaac ttgaacttgc gccgctgggt aagtgatgat cccacgact 180  
ggagcagcag gaagaagttg tgtctgagga agtgctgggc cgcccagagg gacagccctg 240

<210> 1180  
<211> 333  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA455865

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ctcttgaacc cacaaaaaga caagaagtga gtgtaagatt ataaaatgtt aatgatgaaa 180  
ttccagaaca atgtactttt ctcaagctct gctgcaaat taacacaaac atcagtgtta 240

attacacttt gtcatgtatg actgagcttg ctttaagctc ttacactgaa aggaagtctc 300  
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<210> 1181

<211> 416

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA455896

<400> 1181

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ctgaccagt accactcagg gctgcccctt ccagagatga gcgtagggtg ggggtctgagc 180  
gccacccta ggccgtctgt gtgcagcggg agtgctgctg tcctggcgcc cggcatcact 240  
gtgccagagt cccagccca cctggcact ggcagggtta ttatgggggtg gacttgctg 300  
tgttgggggc tcctgatccc aaaacatcta aagtcagggt ccagagaaca agccatgggg 360  
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<210> 1182

<211> 393

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA455962

<400> 1182

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ctagccagag gtaatttcca ctgtgaaatg cacactcaa gtcctattgt aatattattt 180  
taagggtctt aggaggcccc tcagaggaga ctgcaagggtc agggctagag tatgagaagt 240  
cctaagggtt tttgtatttt gttttttttt tcctataaac cctgagggtg aaagctctgg 300  
atagctcacc taaattactt tcctctaata taacccctca cagcctgaat ttctgagtat 360  
tgcttgacca gtagtgacac attcctgagg cac 393

<210> 1183

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA455987

<400> 1183

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tatttttctt ggtcttagaa atatgaataa ttttagagctg gcaatactca ccatcaggat 180  
ataataaacg gaggtttctt tgtctgaaat ccataaaatg tagtaatact ctattgtact 240  
tttaaaaatc ctatttttgc agttggcttc ctctcagtga attagttagg tagttttgg 300  
acatttggag ggtcataaac atgtcataga aagagtactg gcatta 346

<210> 1184

<211> 315

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA455988

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 catgttcatt gttaaggaaa ttatatgtaa atcacaaaga tcatgggtctg tgaataatgt 180  
 gccatatctc acaaaatatg gtcattggaa tcttattaaa attatctaca ggtgacttca 240  
 gtttccattc tccaccctct gccttaagat acgaagcctt gacatgacca catcccagtc 300  
 agcataagct ccttc 315

<210> 1185  
 <211> 321  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA456055

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 ctactgcact acttaaagat tttattgtat agcttggaaca aaggcacaag ctttatggaa 180  
 gagcaattct gggtaataat tacataatga cattggggct acaatacagg taatgaaact 240  
 ctgcttcttc agagacagca cccaggaac actttcattt tcctcttaag cataggccat 300  
 tttctcagtt tagacaacag c 321

<210> 1186  
 <211> 448  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA456075

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 agtggacaga aaggaaattg actgacttga ggggatgcag acatctgggt tattccaaca 180  
 gaccagtggg taggaggagg ggggtgggtag cattatggcc tcggcagagc cccccacct 240  
 gagcctctga aagctgactt tatctgtaag agggagggtca ggctcgccct ctcaatagcg 300  
 tgtatttgga tgagatgagt ttcttctgta aagagaaaaa gatgttataa cctcattgtc 360  
 taaggccct catctgagaa gtcttgtctg accctctagc ccagcaggac caagggtgtg 420  
 tgccctggtcc cagcctgtcc tctgtcc 448

<210> 1187  
 <211> 388  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA456080

<400> 1187  
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 tacatataaaa actttactat taaactaatc tcctgtatgt atatttttat accctgtcc 180  
 cccaacaaa aggatagtg cacatgtca aaccatttaa gtcttgcagt gtagttaccc 240  
 tctgttggtta ctgctacatt ctaaataaa gggttctcatt gtgtgttccct atacctaaat 300  
 aaaaaacagc taggaagtgc acttctataa tccaaattct gggttcagtta tgatcatatc 360  
 tgtacctgcc ataataata gcagaatg 388

<210> 1188  
 <211> 433

<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA456147

<400> 1188

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cagaaatgaa aaatcttaac ccaaataata ttcatttgac agtcacataa aatttttagat 120
ttgattggtg cacacattta tcctgcatat atattatgta tatgcacaga gagacctcac 180
tattatgcc a ttgtagggg tctttttttg gaagtaacct attacaaggc aatgtcaaag 240
gttcagtaa taactcaact ttgaatgaag ttcaaaatgt ccccatgcta agctgagtct 300
gtgccatagc aaaccatgat atagcaagtc tccagaatgt gtacaaatca atactctgtt 360
tgtataagtt ggtctaaaac taaacactgg ctaatgtctc caacaaggag gaacacatta 420
caaatttata agt 433
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<210> 1189

<211> 397

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA456289

<400> 1189

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aggggaaggc aaagtatgct ggctggctat aggaagtgc accatacact gacaatcaca 120
ccatacaaca ggcgcaaacg actattcaac cacttatcag acacatatga aaatccaaaa 180
tgtttttatt tttttttttt tccttaaata gagataacca gtaaacattt ttcagaactt 240
ggaagtttaa aaacgtgcat ataaaaatgg gcattatata cttttttatt aatgtggatt 300
gactgcagtc tgctaagaaa aatgggggtg gggagctgaa gaaaaaggaa gttgtctttt 360
ttttttttta aggcttgctt gtgaaaggaa cagttgt 397
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<210> 1190

<211> 421

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA456311

<400> 1190

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tacagtggta aagcagcagt ttttatttat tacaaattct aaaaaagaat ccaactttat 60
aagtaaaaag gaacactgat gatcacttaa aacatttaaa tttaaaatta ctactaaaaa 120
aaccctgtac attcacacaa gtccaatgcc tttgttggtt ttacagaca tagaatttct 180
gtagggtttt gggccctatc aacaattttt attaagtact gcaataacaa aatacagcaa 240
taaaacaact ggacactcct aggggacacc aaagataaag ggcccatata tcaggtgtag 300
gccagagaaa cccaacctgt tggcaatatg acgctctttc ccaactgggt cttggtgaga 360
cacgtggcac agcaaggctg tcagtgcatt tgcataaatt gtagaccagg tccactatg 420
c 421
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<210> 1191

<211> 440

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA456326

<400> 1191

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acattatgta tatatgtata tatatgaatg tatgtacgtg tgtatataca tacatatata 120  
 tacaggaaac caaccctttt tcaacttttag ccactgatga gctaggccca ctgtctagt 180  
 catgactcac tttctacttc ttcataggac caattctaaa agtaaaaata aacacccttt 240  
 atcagtttaa cagtaactaa ttgtgtttct tttttttaa taaataaagt tactattaaa 300  
 ctgatcacat atggtagaaa cgtagaactc acacacacac cagcacacac agtccccaat 360  
 ttaaaatgtg atgtatgaat gacctatatg tacaaatggg tgctgctgac tccccaccc 420  
 caagcagagg ccatgaaaga 440

<210> 1192

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA456415

<400> 1192

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 gacagcaggc ctgggcaaaa ctgcctgaa tttcaccctg aaaagtgtct cccatcatct 180  
 gaagaagcag cacctggtaa caggcatggc cattcagagg gtacttagca ttttcatttc 240  
 acctggggtc ttgaagcact tcctgaaaac tgattgtgcc ttgacattta cctgtaaaaa 300  
 gaagtgtaat tctaccctt tggcagatgt gtaaactaag acggtgcaag gcccacagaa 360  
 gtaaggagag gaccaggaa 379

<210> 1193

<211> 196

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA456583

<400> 1193

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 ggaaacaaat cctgacagga acagtcttct tggggatggg cagggatgtg cagccccagg 180  
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<210> 1194

<211> 317

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA456589

<400> 1194

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 ctgttcaagt aaagggcaga gggtagagag tagtactctt attctagaaa ggaagtagat 180  
 acttttcttt gataaaggaa tgaacggtag actcctagtt tgcagaaaaa gtgggaaaaga 240  
 tgtgacttgt actttggtaa ggagataggg aaggaattaa ggctattact ctgaagaaaag 300  
 ttgggggggc agggctc 317

<210> 1195

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA456612

<400> 1195

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gtgacggagt catcccagcg gcactggaag aaggacaagc cggctggagt catggtttct 120
tgggtgttct tgtagaaatc aaaagtgcgg aagggtccgct gggccagctg atagcagggt 180
gaggggctgt cgtcctcaga gaagtcaatc ggctggtcct gcttgaagag caggaaggca 240
agacggtgga tgccggagcc tcgggcaggg aaggggggga ggtagggaca cgtcacctgt 300
ccttcagcca cccggttacc cgggatgttg gtttagcagcc agtggaggta ctcagcatct 360
ggctccagca ggtgcccac ccaagctagt agtagcaacg tccacaagga gccctcttct 420
gcctcat
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<210> 1196

<211> 382

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA456646

<400> 1196

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taaattttca catgtatcag taaacacaat ttatgttctt attaacattt ttgaatctca 180
cttttttgca tacaatttga catatatcaa tattattgaa tggctatata acattctgtg 240
atagcactag caatacacca aaatttactt aaccatttcc aatcggtggg cttttttccc 300
ccttaaagtt atctgagtgg aactgctaga aaactttgta caaatagctt ttctttcttt 360
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<210> 1197

<211> 342

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA456687

<400> 1197

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gtgaagcact aagctgaccc tgcttcaagc aattttgttt ttacaactgt tcctttcaca 180
agcaagcctt aaaaaaaaaa aaagacaact tcctttttct tcagctccca caccctattt 240
ttcttagcag actgcagtca atccacattc aatgaaaagt atataatgcc catttttata 300
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<210> 1198

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA456845

<400> 1198

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agattttcat tttttgtact aagtgtatct cattgtaggc aataaaaaat tgcattcacag 180
gcatcaaaaag tgggaaaaaa ttgttccttt tatcaaccaa atagaaactt tcaataacat 240
acttttgagt ataaaatggg gatgtcttac atttaccatt atagagaggt cttgtgggta 300
gaaattttaa aagtgtttta agatgattaa gcatagacaa ttaaaagaaa cattatatct 360
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 <213> Homo sapiens

<220>  
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 gactgtatcg gggggagggt gagcggctct g 211

<210> 1200  
 <211> 355  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA457235

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 tgacagagga gtaagttagg gaaataaatg actcagttct tcatacatgc aaaggtaagt 180  
 tagttattac aaaagttttt gctgttggtt gtgctgaaag aaaagcatat gcatttaaac 240  
 attttttaaa aaataaatca ctcaataggc ttaagaaaaa tacttttagtt catagtccat 300  
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<210> 1201  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA457377

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 cctaccacac gctgggctac gaggacctgg acgagctgca gaaggagcct cagcctctgg 180  
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<210> 1202  
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 <212> DNA  
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<220>  
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taaaggtaag ttggcagctt ttgtagttaa agttaatttt gttattttaa tacttatcct 180  
caggaaccat tgttcacttt gccagatttt agatgtttgt tcaacagaca ctacagaatg 240  
cctgctgttg ggccaggcat tatcatatag caatgaacaa gacagtcaaa gtccctgccc 300  
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<210> 1203

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA458852

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agggtcagag taggaagcca gggaaggtgc tctgaggatg ctttctatgg agggaataag 180  
ggctgcagga cactcactgg agggagtgtc tgggcccttc tcctgtcctc ctcagccttc 240  
cctagctcat gtctatgggt ttgaagacct attctgtgaa cttcttcage ttgtccgagg 300  
cgttctggga ctctctctgt agcctcaggt tgtcctctcg caggtgctgc acctccgctt 360  
gaaggtgagc tttgt 375

<210> 1204

<211> 369

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA458878

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actgggctgg ggctgggggt ggggatggga tgggggtggg gaagggacgg gacgttgacg 180  
tttaaggcat ttctggcttc ggagccatcc ctgccacctc tgcacctgcc ccttgacctt 240  
ggtcagacac tggctggccc ctgggtcattc tgagacaagg acgactttca ctgacgctgt 300  
ggggaggatt tgcagtgagg cagccctcag ccgctctcag gcgagatggg aaagatgaga 360  
cccaccact 369

<210> 1205

<211> 233

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA458882

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tcttgacctt taaagtataa aaagtaatta caatgaaata ttcttcagta aatctgacac 180  
tttgggattc caggcaaaaag gatcgcttgg gtgccaagag ttcaagacca gcc 233

<210> 1206

<211> 399

<212> DNA

<213> Homo sapiens

<220>  
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cgccccagct gtgtggcctc aagccagcct tccgctcctt gaagctggtc tccacacagt 180  
gctggttccg tcacccccctc ccagggaagc aggtctgagc agcttgctct ggctgtgtcc 240  
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attcccagtc gtccttgctc tcactacct gtggctgctg cggtggcggc agaggaggga 360  
tggagtctga cacgcgggca aaggctcctc cgggccct 399

<210> 1207  
<211> 418  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA458923

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ggcagcagcc atgctgaagc accagcaact catagtcctc agaatggaac atctggaagc 180  
aggaggggca catggtaatg gaggcgtcag gcagcagtga gcggaagtat tgccacctca 240  
gggggtgggg ccacgccttg atgaggacat cccggcggct catggagcgc acacacagcc 300  
ggctcaccac cactggcacg aaactctgag ccaccttgct caaagctcag cttagctgtg 360  
aacgggtcct catctccgat ggagtccttg gtctccacta gccgcagaat ctgggagc 418

<210> 1208  
<211> 413  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA458934

<400> 1208  
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ctaaatacaa acacaattct tacatatcca gccacttatt ctgcaaaaca acatgccaaag 120  
atcaaccttg aaaagtttat aaaaaccaa atccagaaaa tatcttcctc aactctaagg 180  
actccatata caaatgcaaa aattgctatt tgtcaataat cacattaagt gttgagttat 240  
tgactgagca gtaaaaaaca atttctgatt tttaaattaa atagctccag ataaaaagcat 300  
gttattttcc acatacgcta tctttgtatt ctgcacagag ttccaaggca aagattgctc 360  
ctggctttat gaattaccag agatgatgac ttgtgtggct gacttatcac agg 413

<210> 1209  
<211> 395  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA458946

<400> 1209  
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ggtagtgcaa aatgcaccac aacccaatta caaagaacag gtgttaacac acaatgttta 120  
aacaatgcta cactcatttt tggcaaagtg ctgtattgtt cagtctgtgt acaaaaactga 180  
ccatctatga accaatcagt ataaaaaatt tctataaaaa caaaatttag accgtggctc 240  
aagaaaacaa gctgccattt atgcatagat tgatgtacag taacctaac aaatgtccct 300  
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395

<210> 1210

<211> 406

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA459005

<400> 1210

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tcacagggac accctctgct gcaccgtgtc cttcagccca caaagtctga ctgattttgt 240
aacaacaact tcagggtcagg aaaaaaacia atgcaagaaa atcggaaggc acaagcacc 300
atgtgatcta gaatgttctt ggggtgagga ataaggaggg aaagggatac ttttggttca 360
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<210> 1211

<211> 398

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA459254

<400> 1211

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ataaaagaac ttaaaagaat acaacttgaa caggactgtt ttactaaaat ggtcttggtg 180
caaaataata acaaatacca cagagagccc tacatgagaa agccatgtgc cttcaagcct 240
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<210> 1212

<211> 388

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA459256

<400> 1212

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gtgagttatc actggcatat tctctttcag tgttctagga taaatatcaa cataaaaaagc 180
aacgccagac tgtttgcaca cacagcactc gtttggtatt gctataatac agagttcttc 240
agaaagtctt tatatataga ttttaggtcg ttagcccaat ctgtaaatac catttgagag 300
caaacctagg gaggtcttga ataattcaac agtactatct tataagatag tattgttttg 360
aattctatgg caaatgaaag acaaccat 388
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<210> 1213

<211> 461

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA459293

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 taaaagcctt tttatttcct tcaccattat tgttttacaa tacaaatata accttgtgaa 180  
 tacacaaaaa aatcctacgg aagataattc tgctgcacgt aaaatacaga atggatatat 240  
 atacttcttc attcttaaaa aactattttg ttctccacat tggcaagtat agaatagaat 300  
 acttccccaac acatatgtat gttaggagta aaacttagag ttacatgcag tttctgcaca 360  
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<210> 1214

<211> 350

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA459310

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 cctggcgggg gacatgaact gcagaggcat cagataaggc ctccagaaagc ccaggccatc 180  
 attttccatg ggaccaggct ggctcaatgt ggaactggcc ctcccagagc agcaggagaa 240  
 gggctcgcac gggctgcccc cgtcacctgt gcctgacagg atggcgggga ggcagagaga 300  
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<210> 1215

<211> 170

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA459388

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 cagcaaaagc agaaacaagt ataaaagtat caaaaattca aagtgtaca atgaggaaag 120  
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<210> 1216

<211> 309

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA459389

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 aatagattct ttgaattcaa agtaaggggtc aataggagag gcacagggtg tgggccttgt 180  
 cccagcaaac aaagccacca aggagctcct gcaaatttag gaggatggca aatctgtctc 240  
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<210> 1217

<211> 261

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA459420

<400> 1217

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gatgaatccc taatttcagt acaaaactgag gaacttgaaa aacatctgtg cactgggacc 180
gcccctcaca ggagggtgta aagagcacag ctgagtcagc ggcacattca gcaggcggtc 240
agtggggaag caggagacag a                                     261
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<210> 1218

<211> 424

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA459542

<400> 1218

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tggccccgagg cgctgacctc accaccgaag ccgactctgg ctacaccccc atggaccttg 180
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ctcaggggaac aaaatggtca gccagagctg gggaaacca gaactgactt caaaggcagc 360
ttctggacag gtggtgggag gggacccttc ccaagaggaa ccaataaacc ttctgtgcag 420
aatg                                     424
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<210> 1219

<211> 306

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA459668

<400> 1219

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gccaaacgaa gatcccattt caattagata taccactcaa gagaatctcc aaagatcttc 120
acattttttcc atctttctaaa acaaggattg acaaactttt ttctgacaaa aaccagacag 180
taaataatta ggctttgtag gctttaccat ctctattgca actactcatt tcaaagcagc 240
cacagataat atataaacag atgagtatag ctagtcccaa taaagcttta tttgtgaatt 300
ctgata                                     306
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<210> 1220

<211> 303

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA459673

<400> 1220

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agatgcaatt tcttttgat ttacagcaac actttttggt atgttgatg tcttgtaaat 240
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tgc                                     303
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<210> 1221

<211> 302

<212> DNA  
<213> Homo sapiens

<220>  
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tggttgtctt gtggtcatta aagacaatgt taagaatcag gactacttaa gtgctagtgg 180  
ttacaaattt tgttctcttc agtttttcat taagtaaatt ctaatagatg atatacatat 240  
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tt 302

<210> 1222  
<211> 298  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA459703

<400> 1222  
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agtcccctct ttttttttcc ttcagtgtgg tccttaagca tcaatgtttg gtggttgttt 180  
ctagcaagtc ttttgcttca tttattttgg ctgctacgta aggagatcca cctttatctg 240  
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<210> 1223  
<211> 469  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA459961

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aaaaggagtg ggggcaatgg aggaagctat gtctcataca aactgctgac ctcaattgat 180  
tacttacatc caaaccttac aaaatagcat ttcaagtcag cacttaagcc agtggtatta 240  
gattttctta caaaaagtta aagctacaaa cttcacattt taaactgta catagcaaca 300  
acatttaagc tttttttttt ccaagttggg ccgagtgcaa gctggtaaaa gagatttttt 360  
ttccaaacac aaacaagaac atgtattcca aagacaatga atataatact gataaaaaaca 420  
caaacatagt gcttaagaaa agatgggggt aggtggagat gtagattgg 469

<210> 1224  
<211> 283  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA460012

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tgaataaagg gtgaatgtag tctcaaatac tcaaagagtt gtgtttattt catcgacaaa 180  
tagattattc gtattcaatt ctgatgtgtt ttaaagacta agatgctcat tttacgatta 240  
gcgcacatgt gtatattgtc acctgttctc cttagaaaaa tgc 283

<210> 1225

<211> 282

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA460017

<400> 1225

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cctatcataa aggaatgggg actgacagtt gataaaacag cttctgtgtc acaagagctg 120
gccgtatttta catatttagg ggttaaaaaat attcacagtt cagggtacag ggaggccaaa 180
ggggagtgagg gaatgtttct ccagggtgtaa aagctctgga agcccctagg aggggtacggg 240
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<210> 1226

<211> 496

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA460047

<400> 1226

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ggaaaggat tttttttaag ttctgttggc tagctatggt ttccagtaca ttccctactt 180
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aatcatgttt agaaactttg gatgagttaa gaagtcttaa gtatgcaggc gtttacgtga 360
ttgtgccatt ccaaagtgca tcagaactgt cattcccttc taatatcttc tcaggagtaa 420
tacaaatcag gtatttcac atcatttggt aatatgaaaa ctccagtga ctcccaagga 480
catttacaac atttat 496
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<210> 1227

<211> 531

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA460128

<400> 1227

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ggaacaagca catcatgatt gacttgggga ctggcaacaa caacaagatt aactgggcca 180
tgaggagcaa gcaggagatg gtggacatca tcgagacggt gtaccgcggg gcccgcgcaa 240
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acatggtctt aactcaccga aataaacaag cacgtggtga gaggagcagg cctacttggt 480
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<210> 1228

<211> 301

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA460449

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 caaagaaaac agtagagaa aaaggatagg gtaatttaac agaaatgttt agtttaatgg 180  
 cataattgaa aaacaaccaa ccaatcaact ttctcttcta cctatggaaa gaatggtaaa 240  
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 c 301

<210> 1229  
 <211> 427  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA460661

<400> 1229  
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 agggcttttg ttccaacact gaaatgaagg gctacgttca ctccaccatt gagagtttctt 180  
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 cttgtggcca tcaactgacct cagctagatc aggccagaag tgtctataat acaaccacgt 360  
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<210> 1230  
 <211> 293  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA460665

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 tgcagaccca ggacgagggc tgcacttggg gtggccgtgt cctgagcctc agtgaggctg 180  
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<210> 1231  
 <211> 450  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA460666

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 accctcgtct agccctgggc cctgtcccc aaggccagct cgctgagcct gcgctcctcc 180  
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<210> 1232



<211> 350  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA460909

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acagcaggaa aacccaagaa tgagacagag gccagtggat tctggcagca ggagggatcc 180  
gagcgtgag atgaggcccc agctgctaca aacacgcact tccacgcaga gctccaggct 240  
ggggcggcag ggcgaggata cagaagtgtt gggagggggg acggggccaaa gtgagggtatt 300  
aaataataaa aatcaaatcc aattcccaaa gagacacaac tttaggagag 350

<210> 1233  
<211> 417  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA460916

<400> 1233  
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ttggtgaatt acacatgaaa taaaaagga atgcaatttt acatatgtaa aatgattgct 180  
agctatagca atttaacagt caaatttatc agaacattgt acattaaaaa acacaaacaa 240  
caacttaaaag ccaaatatct atagtaaacc aaggaaaatt ctgatatgga atggtttgac 300  
taaaagcaaaa gaataaggca cctgctatga atttagcaca accataaaac agaattagtt 360  
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<210> 1234  
<211> 336  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA461057

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agttcctcca gagcttctcg ctgggcttct agcata 336

<210> 1235  
<211> 473  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA461063

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gaagagatat tgagttcttc cagatttttg cttagctggg tggtttccga actcaacgga 180  
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actttgaaaa cgatctcagc cagttcatgt ttcacatgct ttgctcgtgg aacaggtaaa 300  
gctctgagaa gcacaatatc cccaactgtg cactgctgaa gggcatcgtg agcaaagtag 360  
gttttccgct tattaataa ctttaataaa tagggatcca gaacaagcct ggctactctc 420  
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<210> 1236  
<211> 465  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA461187

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accaatacac actatgttgg aggaacgact ttaaaatgta aaatgagaaa tgggactga 180  
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<210> 1237  
<211> 487  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA461282

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ggaggagagg ccggcttggg gtggggcctc gcgcctagt gccggccggc tcagcccggc 180  
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aaaaaaa 487

<210> 1238  
<211> 366  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA461303

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acattttgca ttctacatga aacattttgt ttaaacaataa tcttaagaat tctctatttt 180  
gtttcccatc ttccctcctg ttctctccca tctccaaaag atgttttata ttaactgcta 240  
tgagatttat ttgccggtca cgtaatacgg aggacagcag ggaacaacac aagatttacc 300  
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gcgtga 366

<210> 1239  
<211> 311

<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA461444

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tttgtgagtg agtagagagg gtagtgagg atgctgtcca caatgtattc atctagttaa 180  
tgaattgtat ggcccacaag ctcaaacgag agatacatta cagatgggtg tattataaac 240  
ctaactcttaa gaaaccttac caagcaaatg cttaaagact gatttttttg tgatctgata 300  
aaaagcctgc a 311

<210> 1240  
<211> 517  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA461448

<400> 1240  
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cctaaaaggg ctctgctaaa ggagatcact ggaatttccc agatccctgc cctaagcgtg 180  
gagggtcctt ctcaaacact cttccataca gggccataac taagacaggc aaaggggctc 240  
cacttcggct cctcaagcgt ccactctctt aaatctcata atgtctttca ggggcaagct 300  
gactcccat tagaatgac tgtgggaaaa cataacgcgt tccaaatgtg ccactgaggg 360  
agaagtcttc aaacttggtt aaagctgacc ccacagggtc tccacacgtt tccaggtcag 420  
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gtccatccaa agcacctagg gcatagatct cgtctgt 517

<210> 1241  
<211> 264  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA461458

<400> 1241  
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taaataaag tcagcaggct caaaatgcag agcttggtta agtcacttct gtggaaatat 180  
gaaatatagt agtgataacc accaagggtt ttcaaattct tgtgttcttc taaggatcct 240  
ttcctaacac catgatttgt tctc 264

<210> 1242  
<211> 455  
<212> DNA  
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<220>  
<223> Genbank Accession No. AA461473

<400> 1242  
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ccctgaagag agtgcatttg agaacgcagt tctatcatag gagaccactt gcagggaaca 180  
cattaaagcc attgctgaca cagccatctg tcattcctgg tttgccgtca ttttaagtagt 240

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ttcaatagat aaatcgggtga tttgctttta aacaaatatt aatgttaatg attagggtag 300
ccttgaaggg tttgtgagtg actgtactat acaatgtgat gctaggctta atgtgtcatt 360
tcaatgctgt tgtacattat gcaggggaaa taatgtctta ttacacatta actgcgacat 420
ccactaaaat gtgaactagt ttgcataggt tagtc 455

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<210> 1243

<211> 541

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA461476

<400> 1243

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tttttttttt tttttttttt tttttttggg gcagctaaaa tttttattct gttgtcaagg 60
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actgtctgtt caggctgtgc agtaagcacc agagcctcgc ctgtccacga aggggtgaag 180
cctgtgctcc acaatgtgct cagctccaga gaggcccaac aacctcagga gggcttggct 240
gtgggtctga atttctttcc tttgtgcttg aagctgcgca gtgggttctg ggactttgct 300
ctcttggcct tcctacaaga ggaagacagc ttcttccgct tttgtgaggg cgtaccaggc 360
cacggagagc aggaggaacc aggtagtcag gaacatggcc cagggtggggc ttcaccactg 420
cggggtgcaa aggtaggtca tgccgcagca gctggaggtc cctagggttg tcttcaaagt 480
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g 541

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<210> 1244

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA463194

<400> 1244

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agaacaaaaat ggtttttaatc aattgcgtca cctcactct cctgggagcg gcaacgaaaa 60
aggctcggct cctgccccca gaggacagta aggcttatgt gtctctccac actgcagggc 120
ccaggctggc gaggcagggg gtgggaagca ggacaggggg caggagggga gggtagggag 180
caggagggaa atggcaggtg gctggaacac aagaaagcaa aggggaccca gctggtcctt 240
gggccccagg gcacgcccct aatactcctg ctctcccttc accctggcta gagaaaggct 300
acggagaaga gacagggggag cagggtccag cagcaggaga agcagcagca gctgt 355

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<210> 1245

<211> 362

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA463195

<400> 1245

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cattttgtga tcaaatttat tttttgttta aatttcattt actttgtttt actgtaattt 60
acacaagaga ctggcaagta aactaggtag tttacattca ccacacattc cttcaaattc 120
ccacagttgt tagaaaaaca ttaaaatcca tgcgccgggc tctcatttcc atgtgcgcct 180
aagctcccaa tgatactaca gatgccagcg agagttaagt tcattaaaag gagagggcta 240
gactctttat ttcacaaaat tagcaataat cttcctcgca ccaaactt tgcagacaat 300
gattatgctc tgacaaaacc tatcttacia cagtgccag agagtaaaca tcagtcttta 360
tc 362

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<210> 1246

<211> 332

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA463234

<400> 1246

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tgacccacaca tgggccccct gtgcaagcag agctggcccg cccctccttg ctggcagagg 120
cacgggaggc ctgctgggga tgaggccact ggccagggt atgctgcacc agaccaatgg 180
caccgccccca cccctcccag cgcaggggca gcttgagca gaggcagcac tggccaccgc 240
tgcgggggga agtcagcgtc aagagagtcc ctgagtgaga aggcccagat aagcccaggc 300
ccccagggc agcggacagg cacaggcagg gc 332
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<210> 1247

<211> 239

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA463254

<400> 1247

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aaagaaaaac cttcatgacc ctactgaaga gcattggaga tcagcttccg ctaagatgct 120
agcttggcca agtctgttat gtacacctga aaaagtctta gcagagaatt tttgcattcc 180
caccctctcagc cactcaaatg cctatcttct ccagtctaca agttacatg 239
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<210> 1248

<211> 420

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA463311

<400> 1248

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caccagatga ccacggcagg gccgtgctgg gtgaggcccg gggctccgat gccttcttcg 60
acgcgctgga ccacgtcata gacatacacg gacacatcat cggcatgggc ctgtcgcccc 120
acaacaggta cctgtacgtg aacagcccg cctggcccaa cggctgcggtg gtggccgacc 180
ccatgcagcc gccaccaatc gcggaggaga ttgacctgct ggtgttcgac ctcaagacca 240
tgcgggagggt gaggcgggct ctgcgtgcgc accgcgctac acgcccacg acgagtgtt 300
cttcatcttc ctggacgtca gcagggactt cgtggccagc ggggcggagg accggcacgg 360
ctacatctgg gaccgccact acaacatctg tctggccagg ctgcggcacg aggatgtggt 420
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<210> 1249

<211> 331

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA463725

<400> 1249

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agagaaactg agtaattcat cttgtcagtt acagttcaca tatatgcaca cacatacaaa 120
ctggctcagc atcagtgaat cataactatt caaatacaaa agtataaaaa acctctttta 180
aaaaccaata gcagccaaaa cagaacattt gtaaacaata ccacaactat cagccctgtg 240
cttaaacaca gaatctgcat tcttttgaaa cattaagtat atgcaataaa gagaatatag 300
accatctttt tccttaatat acaataccca a 331
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<210> 1250

<211> 252

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA463729

<400> 1250

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aaaaaagatt acaaaaactga atttattgag attcacacaa gatgcactta taaaattagt 60
actgaatgcc attaaaacag aagaaatgaa cataatcccg aactcccaac agcatctgca 120
aagggaatgga aatcttctga aaatgacagc gcagtaacag aataattcaa gcggaactga 180
agatctatcc aaaccatgtt cctgctctga aatcaggggt gtgttttgga aagctttccc 240
caaaactattc ca                                     252
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<210> 1251

<211> 534

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA463861

<400> 1251

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ggatatttgt atagggcatg aagaccttaa gaccctgagg gtgctgtgaa caggggaacag 120
tctgatatct ggaaccaaag ggcaaggaaa ggtcctgggg ctgaagtggg gacaaggggc 180
acaaaaaagc cagtgggggc aggtggtgct ggccaagggt agaggcggat gcaacaggcc 240
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ggtcaggatg ctgttctgtc tctgcttgga caccttcgca aagatttctt tcaggacagt 360
ctcaaaggct agctgcaaca ttggtagagt ccagggtgta ggtctccagg aagagcagtc 420
cattgttttc agcgaacatt cgggcctcct cagtgggcac ttcccgggcc tggctgaggt 480
cacttttgtt accccgagca tgacgacgat cgtggcttca gcatgggtcat agag      534
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<210> 1252

<211> 489

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA463876

<400> 1252

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tattcaaacg cttttaacag tcaggatttt ctaaaccctaa gcctgccagc accaccatgt 180
tgagagacc tgtttggttg agaattgggt ttctctcctc tgagggctgt agaggccaga 240
ggggtgagtg aggttctttg acaagatgtc caggatgcta agcttgtccc aacagccata 300
gcctcgggtc gctcaggcca atcagaatgc tgtgagcacc tgctctaata gaaacaacat 360
catttgcata cattccattc aaagcttgaa ctcagcaggg agtttattct ggtagccaa 420
cagctgcata aaggtagaat gttaataacc cttcacttcc agctcccagg accctgatgg 480
ctcaggagag                                     489
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<210> 1253

<211> 335

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA463934

[illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible]

<223> Genbank Accession No. AA464251

<400> 1257

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ataatgagcc ctcacacctc catccctagt aactgattat ccgtgtgtgg cttactcttt 120
gatcgatact ctctgtcttt cccctagccc ccacagttag actgtcccgc agcaaagccc 180
agacagacat cctatcggtc tgagaattcc ttatcaaaag cttcccgaag aggaactcta 240
tatagggcag gactaagtgt gctggctata ggtctgcaga aatctcaacc cttggggagcc 300
cttgggtggg gcctgggcag gtc                                     323
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<210> 1258

<211> 91

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA464414

<400> 1258

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taagatgaat aaattgaaga cttttatttc ctccaagaaa aatgtctggc acttggaatt 60
ttcaagctgc aagtagatgt acacattttc a                                     91
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<210> 1259

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA464423

<400> 1259

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tttttttcag aaattgaaaa agatgtatta aaatattcac aaaaatacaa ctgaagatca 60
aaaaataata atgagcttga tgggtttttcc ctagctgata tatttccatt gaaaaactag 120
agatagtttg aaatttcaat ctctaagtaa tgccttttga gtgctcccat acagaattag 180
cgcataattt taagacgacc ctgttttgcca ggacgaagac atggagaggg cagatctgct 240
cttaggcaac cttagttcgt tatctgcaac caggaaagga gtgctgaggc acagggaaaa 300
ggggagccaa aagggctgca ggggtgggtg tgcagggcat gggaagaggt cctgccctga 360
gaggctcatc tcagtgtgag cagcttcctt cagggaaacc tgtcctg                                     407
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<210> 1260

<211> 350

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA464603

<400> 1260

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ttgttataga gctatgttca cacagtggag actttctgac tcactgtgag ctctgctgta 120
tctatgcgct ccccgagag ggacaacttg ctaagggtaca gtcctgtcca ttggcatgga 180
tatttactgt tccacatggt gggaaaacca tgtgcaataa aatcaaaca tatgaaacaa 240
tggtgtgcat tgtaccacag tatacattgt atcttggtga aggttcttaa attactcctt 300
ggagtttctt aattcacttc aggaaggatt tgttgtgttc cgtctttatg                                     350
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<210> 1261

<211> 337

<212> DNA

<213> Homo sapiens

<220>



<223> Genbank Accession No. AA464606

<400> 1261

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aatggcctc aattcggaca ctgaataaac gataatgaat tttttaaaagc tgtgcttaaa 120
tataaacaaa ataaaccgct aagtttttct ggctccaagc acgccatatg aagcacgcca 180
atgtcactta tgtgccctga tcacattcag gcaaagtgtt cttcacttta aatactcctg 240
tgttccatta ttgtttaagt aaaatcctat ttcaaagc tttgataaca gagaaaccgc 300
ctgtagacaa actctttgaa agtgactgaa ttaatgt 337
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<210> 1262

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA464698

<400> 1262

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tctcaagctt ccaaagtgtg ctcagtgtc caaggaaaagg aaggaaggaa ggaaaaggag 120
gggagaggag gggaagggga ggcagaggag gaacatctgg aaaaaaagca gcctgacagt 180
ccagctgttt gcaaactcat agcacatcct ccagttacat ggcagaagtt ggagggaggg 240
agggccaaaa agaaaaggga gaggaggaag aaaaataact taaataaaca cacacacaaa 300
gaaaagagaa ggcaacatga cgtgagctgg tgatccatga aggcagggag ggaggggaac 360
cgttttacct gtgctgaac 379
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<210> 1263

<211> 209

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA464722

<400> 1263

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ggagagataa agaggaagga aggggtaggt ggggaggggt tctcaaagga gctgacccat 120
tttctgcatt ggctgcagag ccttgagtc ctggccagga gttcttgGCC ttgtgcattt 180
cagaagtGCC gagacagtca aggaggtac 209
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<210> 1264

<211> 406

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA464962

<400> 1264

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agaaaactac ataattacgt tcaaacactc actgaagagc ctgcctcatg ggaagggcag 120
ggctgtcgtg ggaagagtca gctgcacttt ggcaccatct caggtgcctg tccaagccgg 180
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ctgtggggac ctcaaagcgg tatgctgacc catctgaaag cttcagctgc atcaggacgc 360
tcggctgcag ggagcgagcc agggcactgg tggagattgc tacatc 406
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<210> 1265

<211> 454

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA464963

<400> 1265

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gaggggtgcag gcaggaggct ccgaagtccc aggcaggcgc gcagcctctg gcatctccat 120
ggactccagc tggagagcct gtccgctcag caacacccca ggagcacca agaataacat 180
gcccacaaga acatcatggc caagagacgc acaggcgcac cccgcttcca ggcacctttc 240
ccacctggcc agaagtccct gctgtcatcc cgacttgcac ggtgggtttg gtaaccagtg 300
ggctgtgcag gagtgaaggt ggggtcactt tccttccttt cccagctgct ggagtcggaa 360
ctgctgcctt tgtttggcgg ccttgtttct taaatcagtt ccctcttagg atttattaca 420
ctaaaaaaaa aattagtttt tgaaaagaaa tagg 454
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<210> 1266

<211> 236

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA465000

<400> 1266

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tttctaccct gtctctcccc gccacccccg acttcccgtg gaaattccca actcggttct 120
catggaggag tgggtggaga caaggaggga gtaagtcgta ggagtacaag gtttttattt 180
tttttaacag tgattaaaaa atttattggt catttaaaaa aaaaaaaaaa aaaacc 236
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<210> 1267

<211> 302

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA465093

<400> 1267

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gcacaggaaa taattttttt taataagaga acaatgaggg tcctaaagta gaaacataag 60
ccagaagaaa tctaaaaata gcttcctgat attttatttt aaaatatttc atttaagctg 120
cttttggttg catgccctga tctgtagaag ttaacaagga aataaaattt ccaagtattt 180
aaaaaattta ctcatcttcc ataaagcgac ttttaatgta tcaacactta aaaatacaca 240
gtgacttaat gaagtatcag cacaactgca tagaattgag ctccagagaa ttatacactc 300
ga 302
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<210> 1268

<211> 400

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA465218

<400> 1268

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gacgggatat ttgtggtaag ggatacaaag aacatacaat tgtgtacttg agaggtttca 120
tggaacatta tgacctatcc aatgaagaca tcaacattaa caacaaaaat taattgagga 180
agagcagtat gaaaatattc taatgcagtg ctgtccaaca gaactttctg tggatgatga 240
aatgttccat atctttgtgc taatacagaa tctaccagcc acatgaatac tcaaaatgtg 300
gctaattgaa ttgaagaaat gaatttttca tacaatttac tttaaattta aatagtcata 360
tgtgactagt ggctcctgaa tgaacaatgc agttctaata 400
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<210> 1269  
<211> 282  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA465233

<400> 1269  
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taccaaaatt taaacaaaaa ttttatccaa atcctttccc acaacaaaat tggacatcat 120  
ggaaaaaaa aaaaacacat tcaataaagg ttcccatctt tctaccataa actggttagat 180  
tctgggagga tgaggagtaa gagagaaacg aggagagaag atagtgatac taaacacaat 240  
ttgatcttca gtgttgcttc atcttgaaat agcttaataa ca 282

<210> 1270  
<211> 428  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA465240

<400> 1270  
ttcacaaaaa ccagggttct aaattathtt ttctcagtgt ccttcgtgat catgatgact 60  
tatttgtaa caaactaaaa tatacatcat tttcttgcta ttataaaatc tcttattatt 120  
cacagatata taacgggaga tttggatgaa ataattacaa acttttttcc ccttaaaaaa 180  
caaacaagcc aaacaaaaca caaacaaaac aaaaacccca aaacaaaaac acaagacctt 240  
tctgacgaca gttaacacag gggctgctgg ctctctcccc gccatcctcc gcgcctgctg 300  
ggccgcagtc gcaaagtgtc ggggtgtacc cgacacggag gccccagggt gctctctcca 360  
aggctgactc ttcgcttccc ctgccctgcc tccacctccc ctcatctccc aagcctttgt 420  
cgagggcc 428

<210> 1271  
<211> 394  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA465342

<400> 1271  
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ctgatattta ataattggta tatgcacaaa agaaaacaca ctttttttgt taaggggtga 120  
ggaagttaga gaaagcatga gaaacagggg gcatgtgggg tgaggcgggg caggagtgga 180  
aggctgcagg acccccagct cactccctgc ctgaggacac ccatgacact acagatcaag 240  
gggttatgaa tgacatggat tcagatttct ttcattctag acttcaacct agccttaacc 300  
ttttgtttca gcaccagtct aacagagcag cgcaggcggt tctcatccag cagcaatgct 360  
acttctcac ccagggcagg tgcattgggt gacc 394

<210> 1272  
<211> 390  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA465381

<400> 1272  
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tttcaacagc tgaattcctt gagatgtgta aggcaggttg gtcctttgga tggactgtag 120
actgaaactt cctataactg tagtgatatg tacacagcta catagcaaag tgcttcatta 180
tgaaaatgaa gaaaacaggt atgagaaaaa tatatttttag agtttcaaag aactcaaact 240
gttatttttc agactaggca ctgaaacatt ttttctacaa aaacttgcca gagattgtct 300
cttcgctgta tagttccatt atcaagctgg gctacagaca acagacagct aactagctcc 360
atcctcctga gaaacactgt gcatagaaat                                     390

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<210> 1273  
 <211> 407  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA465660

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<400> 1273
tttaacttac atttttaata atattatattt taaaaaaact tggagctggg ataagtggca 60
gcagggagga ggggcccaaga gctttacccc tctattacca gctgcctagg ggaaggagca 120
ttcaacgaag ccccgtaact ttaagtcctt aagggtctgt ggtatagaca accccaggct 180
tgaaaggggt aaagtcaggg ggatgggaaa ccacaaatct ggggtgaaga tggaggcaaaa 240
tgccctgggg ggtggtcagg acatgtctca gagggccagg ttccaagtag gcatccacat 300
gagtaccccc tccccctaaa aggtctctgta gagggccagg ccagcccagg gccactgggg 360
gggcaaactc tggcacctgc cccagagag tccagttcct ccctgaa                                     407

```

<210> 1274  
 <211> 299  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA465720

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<400> 1274
ctgggtgatg tattatttat tatgtaacag ttctgagaaa aaatccaatt caaaacatat 60
tactgaggat tctgtatttag tatatttttag aaatcgtata atccaaagct gattttctaa 120
tatattttct tatataacac ttaaggaatt tttcactccc attatttggc tctagaaaaat 180
cttatgggaa acatttggtta cactagaaaa caaaatttaa gtacagttgt taggcacggt 240
taaaagggat gatacacaca aactataata attacaaatc agtacttctt tttgaatac 299

```

<210> 1275  
 <211> 522  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA470153

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<400> 1275
tttatgcaag aacaaaattta ataataagct gtatctataa ttccagactt tttttccctg 60
caaaacctgg gaaacaagag ggatgaagga atataaacat cctaaaagcc tcatattggt 120
gaaggagact ttgaaattct tggcgttgat agatacatgc tcagatattt attaaacatt 180
tacagatacc aaccagcaaa ataaaaaggg aattggaact tctgtacctc ctttttcttt 240
tatcatgtgg gaaagtctca aagccctggc actgggagct gctcagaagg caagggccac 300
atgtgcccc agcttcccc cacccccagc acagggccag gaagccactg ctggtggctc 360
cctgtctgct gcctcccag cagtaggtcc cagcgaggtg ggggtggaat aggttgggct 420
gggagcagat tagcaaaccc tctcctcccc gcaaggaaat aaccaggcca gataagacta 480
gccataaaac aaaacaaggg ctgatgtaga aaaggattgg at                                     522

```

<210> 1276  
 <211> 410  
 <212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA470156

<400> 1276

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ttttttaagc tttgcttttc ttcatttggc ttgcgtcaga aacacaaggc tcggcacagc 60
gaaggcttgc acccgccctc cgggacccct caggccgccca cctctgctgc caggcagtc 120
aggctcctcag cttcccgggg cccttggttc gtgaactctg tgctcagctg ccacaccttc 180
actgtgccct gggcatcgtc gcatgccaaag agctgagtct gctggctgtt gaactccaga 240
cagtagacag ggctttcatc ctgggtttgc ttgatcaaaa ctgtgggttt ctgggagctt 300
ttctggagat caaacagctg cacgtcacct ttcccagagg cagctgcaaa aaccaagggc 360
cgactgggg accagcgcac agcaaacaga tacttgaggg agagctgcag 410
```

<210> 1277

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA471278

<400> 1277

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acgttgcttc tgaggggagc ccaagatgac ccgttctaac gagttcaagc tgaaccagcc 120
acccgaggat ggcattctct ccgtgaagtt cagccccaac acctcccagt tcctgcttgt 180
ctcctcctgg gacacgtgcc gtgctgtctc acgatgtgcc ggccaactcc atgaggctca 240
agtaccagca caccggcgcc gtccctggact gcgccttcta cgatccaacg catgcctgag 300
tggaggacta gatcatcaat tgaaaatgca tgatttgaa actgatcaga aaatcttggt 360
gggaccacag atgcccctat cagatgtgtt gaatactgtc cagagtgaat gtgatgggtca 420
ctgaggt 427
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<210> 1278

<211> 436

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA471384

<400> 1278

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ggtaagaaga ggccgctctt cctgggggttg tttctccgtg tgacgtgtgg cctttgagat 60
caactctcct gtaccagcgt aggcgcgatg agtagggggg cgggctcccg cggctctgct 120
cggcgagagt gcctctctgc tcctgtcttt tgtttggatg ccggcgctgc tgctgtagc 180
tcccgctctt tgttgctacc ccgagtcttg ctgaccatgg gcctctcgaa gccctccgac 240
ccagccctcg ccggcctcgg attccggctc tggctacgtt ccgggctcgg tctctacagg 300
ctatgttact tgccccaacg agaaggctcg caagaagatc gccacgaccg tggttgagaa 360
gcgctagcag cctgcgtcaa cctcatcctc agatacatcc atctattagt ggaaaggag 420
atcaggagga cagtaa 436
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<210> 1279

<211> 244

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA476216

<400> 1279

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ttttattttt tcagggtctt atagaaaaat ataacttta taaggaaatt caactaaggg 60
taggagtact ccaggaacaa tggtaatccc cacatgatga tctgattctc ttctgggagc 120
```

aaaacattgc aaccagacag gatggacaag gcatctaaaa acccagtatc cttcaccttc 180  
cgaaaggagg gagggactgt agagttgccc aggaaaaagg tcaagagtct tccttctcct 240  
ggaa 244

<210> 1280

<211> 422

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA476260

<400> 1280

tttttttaaat ttttaaatgg ttctttattc ataaacttga tgcaagttta caaaattttac 60  
tgtacattgc caaataaatc tgcaattaaa aataaaatcc attaaacaaa gcatgccaaa 120  
tgtgcagcta tcagtctgct tgccatcagg atattaaaga attcaacaat gtattcaaga 180  
tttagcctta ggcttaagga actttactga tttaaagaat tctgccttgt cacttggtat 240  
ctgagcaact ggcaatcaga actttatata aatgtaatca agtgaacaag aataccagaa 300  
aatctattta ctgctctctt aaccaaaatg gaatcaaaag aaattaaaca cacacaatgt 360  
agaaatgaca agtctctcag atgtggttta caaagttaaa aactgaatct caaagctaatt 420  
gc 422

<210> 1281

<211> 253

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA476324

<400> 1281

tttttttgag gattgaaaaa ttatctttat tatcttgagt gggagctgga gctggaagtc 60  
tccacgttct cctccaaca actcagctcc cattgtaccc atctggggac ttagatgaag 120  
ttacaggtca gttattggac agctcacagg cctcttgatt cctaggagtc aataagaagg 180  
ctttggagtc caggcaggaa gtcagggact tgaattcctc cacacacttt tcgggaggat 240  
gtggtgagcg att 253

<210> 1282

<211> 219

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA476333

<400> 1282

tttttatctc ccaaataaac tttattttga aaagaatatc acaatatagt catgtaaaatt 60  
taaatatggc aactgagca gtattgacgc aaattatata gtcatgtaac catgtttcgg 120  
tcaatgtaca atatatatat gatggtggcc ccacagatta taatggagtt gaaaaattcc 180  
tgtcacctgc tagggatgtc ttgatcctga cctgcata 219

<210> 1283

<211> 233

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA476346

<400> 1283

ttttgagtcc atctgtatct aataaactg caattattaa tacatgttta tagaattagt 60

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acataaatta atgccttttc agatccttca catccagctt ttttacctta agttaatatc 120
catatgtatg agaaataaac gtaatctgat aatgcttagt taacttgatg attggacaat 180
aacaatatga actatatgtg attcactgtt acttcctctt tattcctgca gtg 233
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<210> 1284

<211> 177

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA476352

<400> 1284

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tttttttttt ttttaaaaaa aggttggaag aattacttta tgaagcctta agcactaaga 60
ataattaatt aaactgtaat ccaggattag atacaattta ataatagttc aattccaaaa 120
taaaagttat tgtaggtaag accatgaaat ttcctaacac ttgattttta tacattg 177
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<210> 1285

<211> 241

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA476473

<400> 1285

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tttttcaggc aaatatgttt aattttttta aataactgat ggcaaaataa aatattttaca 60
tcacatcata ctgtgtaaac atgtaaggct tctgtacaaa gaaatataca tgcaaaataa 120
tgtaaaaatt taactgaaat aataaaagaa acaatacaca aataaaaatt atgagggttac 180
gaatacacat ccagtttcga atccaatttc ttttaaaaag tttctgtaca atttttacaag 240
a 241
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<210> 1286

<211> 317

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA476749

<400> 1286

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tttttttttt tttttttttt tttttttttt ttttgttttg ttttctttca cagattttaat 60
accgcgatct cagccaaact ccggccgaga agttgagaaa tgtcttcacc tcctctcgac 120
attcgctcgt gcttcttcgc cttggctgga gcgatagggg cgagcagggg tggggccggc 180
tggtgctgct acgcaggggc gtgcacgccg ttaataagtg acataaaatg tctacacgca 240
taagtaaccg tacttagggc ttctgcaagg gccaccagag cgcctagggt gcaagtgggc 300
gccgtttcac ggccgcg 317
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<210> 1287

<211> 466

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA476754

<400> 1287

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cattctaagc cacaaggaaa tagcaaaaca tatagcaaag gaaaagcaaa cactaaaaga 120
aaagcagtgat actgtctttt ctactggata acacttagtt ggcccatgac ctctcgcttg 180
gcctatctcc caagtacatt ttagagttta cagctcactc ataatttttg gttaaaatcc 240
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atcttttctcc tgagaatcag gagttgcaca tgagctccag ctagctgctt ctctagggtt 300  
 cgtagctatt gaggctaagg tgcaaagtga aacctttggt aggtttcttt acacaggggc 360  
 accccatttc tctactggtg caatgaatgg ggaaggggta gggcctccaa aggacctggc 420  
 acactgtaat ccagaagtgg tgccccaggg agcaacgaat gcaccc 466

<210> 1288

<211> 295

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA476944

<400> 1288

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 ccagagagaa ggtgagcctg acagactaaa acgttgagca cggatgatac agcagaaata 120  
 acatttccag tgtaatgaga gataaagagg aatactgcc accgaggaaa tgactttctt 180  
 caccatgctg accacactgc acagcgccc atccggctgg tgaggatggg gaggtgggaa 240  
 gaatctcaaa gcactggaca gggtagggac tcaggaagtc acggggtcag cccta 295

<210> 1289

<211> 246

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA477119

<400> 1289

gagctcccgt gagtgggttaa tagggtgata gacctgtgat ccatcgtgat gtcttattta 60  
 aggggaacgt gtgggctatt taggctttat gaccctgaag taggaaccag atgtcggata 120  
 cagttcactt tagctacccc caagtgttat gggcccggag cgaggagagt agcactcttg 180  
 tgcgtgatat tgatttcacg gaggatgggt gtcaaggagc ccctatctga ggggggtcat 240  
 ccatgg 246

<210> 1290

<211> 283

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA477316

<400> 1290

tttttttttt tttttttttt ttgaatgtaa acagttttat ttagaaacag ataggtacct 60  
 gttcgcattg cagaatataa aacttggttt acactctata aaaaataacc aatatccaaa 120  
 ttcaagagag ctacgattca cagaacacac aatatgggtg ttagctact gttcaccagc 180  
 ctccaggttga tttaaacaaa caaacaaaaa aaaaatttca aagggatcat tcaagatgac 240  
 cgtataatgc ttgctgctgt ctttgcagat taagggttgc ttt 283

<210> 1291

<211> 493

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA477549

<400> 1291

tttttttgcc agggcgacc gtctttattc ctctcctgcc tcagaggtca ggaaggaggt 60  
 ctggcaggac ctgcagtggg ccctagtcac ctgtggcagc gaaggtgaag ggactcagct 120



tgtagcccgt gcctgagtag aacttgttct ggaattccac ccagtgcagc cgcagggcgt 180  
gcaggaaggc tgagagtccc tccatcacca gcaggatagc cacggtcac acggcaaagg 240  
cggcaaagat ggggaccagc accacagccc ccacgcccac ctcccggccc agggccaggc 300  
ctatgcgcac caccatggcc cacagaacct cggacagctg ggcgtgggccc aggctcaggg 360  
cccacaggcg caggtaggag gcggtgttgg agacgcagcc caggcagaac tcgatgggtg 420  
ggatggcctg gtgcatgagc actccggagg ggacgagctc gggctcctct tcatcatcca 480  
ggccccctgg ctt 493

<210> 1292

<211> 356

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA477561

<400> 1292

cttttgttca gcttttactg gaaactgctg tctaggacca cctgccctaa ccaggaataa 60  
aggcaagaca gcctggagac cagtttgttt cttcagctgc aaacagctgc ctgggcaggc 120  
aggtagacaca aggcctctgt ccccagggat gggacctgca gggctctgtc acccagggca 180  
cccacagctcc tgaagtgcag gcccagggtc tgtccagctg ggagagggca gaggtggcgg 240  
ctgggtgagt tgccggcctc agctgggggc ctgggggagg ccttcttcag cagagatgtg 300  
aggaagctcc ccagctcctc gtctgtgtag gtccaggaga ccagcagcac cttggt 356

<210> 1293

<211> 186

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA477919

<400> 1293

atcaccagct acctggtggc gcacacccta gggcgccgga tgctgtatcc aggtctctgtg 60  
tacctgctgc agaaggccct catgcctgtg ctgctgcagg gccaggccga actggtggaa 120  
gagtgtaatg ggcgcccggc aaagctgctg gcctgtgatg gcaatgagat tgacaccatg 180  
tttgtg 186

<210> 1294

<211> 263

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA477978

<400> 1294

ctgatgggta taactgacct ccacagggag gcaggaaaac agccagaagc caccttgaca 60  
cttttgaaca tttccagttc tgtagagttt attgtcaatt gcttctcaag tctaaccagc 120  
ctcagcagtg tgcatagacc atttccagga gggctctgtc cagatgctct gcctcccgtt 180  
ccaaaaccca ctcatcctca gcttgacaaa actggttgaa cggcaggaat gaaagataaa 240  
gagagatggc ttttgtgata aaa 263

<210> 1295

<211> 283

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA478017



cccacacgac agagacgtca ctcaagcagc acagccacaa atagtttaca gcagctcatg 420  
cccggcatcc gcccatgc 438

<210> 1299

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA478415

<400> 1299

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tttttttttt tttttttttt tttgtagtaa aatggccaga tgtttattat tttgtttacat 60
tattttccatt gcattttcca catctattta ttttcacttt tattttattat cattattttt 120
cacaaaggta caaggaattt cagaaacaac attaaaacaa tcattcaaac tgtttcaggc 180
acggtttcaa ttaaaagcat agatttgatt tctgacttcc tgtttccttc tatgatacaa 240
tctcaagttt tgtttcagga agcacaatta ttgtagcggt aagggtggata cctgccaaaag 300
ctcatctcct agtgctgtcc tcattctcag aaagtctctg agtcaacaga aaggggacgc 360
ccagggtatg gaataaggag atgagagcat gctctgccaa ctggctggga c 411

```

<210> 1300

<211> 244

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA478416

<400> 1300

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tataatgaac agaaatttat ttggctcact tctggaggct gagaagtcta agattgaggt 60
tccacatctt gtgagggcct tctgttgat tcataacctg gtggaagtca tcatgtggca 120
agagagaggg ctacagagag caagaggaaa ctcaactctg agatatcaac attaattccat 180
tcatgaggct gaagccctca tgatctaaac acccccact aggccacacc tgccagtatc 240
atta 244

```

<210> 1301

<211> 234

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA478422

<400> 1301

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ggacaccggg caagatcccc gcagtgccag cttcccagga ctcaggattc cagtcggcca 60
tgaagcaata aatacaaaac tgccccacaa ggtgagaata aagccatcaa ggtgatgagg 120
aagaagtcac ggggattttc ttcttctaag tccaagcaca gtggcaatat ttcaagtatt 180
gcaaagaaaa acacacgtgt gtgtattttt gtctgttatg tggcgtgtga ccct 234

```

<210> 1302

<211> 260

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA478441

<400> 1302

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tttttttttt tttttttttt tttttttttt ttttttaciaa ggacacctct ttattgctgt 60
tagaaaaggg tggttacaag tttcctggac atggagaggg acactatccc taaatccaag 120
ggaaccagaa aatttatagt atcaaacaga ggaaagcggg ggcagaacag agctgggctt 180

```

aagatcagaa aattttcttc ctgctcatta cccaagccca gagttcttgc cccagcttca 240  
actgccaaga taccaccctt 260

<210> 1303

<211> 305

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA478556

<400> 1303

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tgctttctac tcagcagagc ggacgaagtg agcaggggtg aggcctcctg actcatgcgc 120  
ggacctgcgg ctgctgagga caaaggccca gcgcctccaa ggagcttctg tgagcacctc 180  
ggctactgca gaaacgtgaa aggaggtgac gtgtcggaaa cccccaactt cattttcttt 240  
tccagtcgct tctacacctg gggccacagg acacagtaaa ggggtgagaca gcacctgcgt 300  
cacga 305

<210> 1304

<211> 392

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA478599

<400> 1304

acaacagctg atttttattt ttcttcttga ttctcttcta cagtttccaa attctctaca 60  
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ccttcccctc ttcaagggtc agattgaacg ctgactcctg caggaagtct tccaggattc 180  
ccaggcagga atgatggctc cctgtccctg tagctccagg agttcttgct tcacgcacgc 240  
ctcacatacc agactgaatg ttggcaggag gagtgaccag gtcggtcacg tgtgtcccta 300  
ccacctacaa caggccagca atctaccctg gtgtgtttgt tggacagaat taaccatgat 360  
gggcggccga gggcgctgga gctatttggg gg 392

<210> 1305

<211> 401

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA478615

<400> 1305

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gcgagccgt gagccgggag cgattgtttg tcgcgcaccc aaaggcaagg aggggtgggga 120  
gctgggaaag gatgcgcggc ctccgggtgcc ccgcgcgcca tgggcccggc caaccagcga 180  
ccccgcccgg tggcgaggcg cggcctcggc catcggcgcc ctaggggcca gtaaccatga 240  
cgacggccgt tgccaaggcc gagagccaat agaggcgctg cgggcgctgt ttcaaaaacc 300  
taaagcaaac aacgaaaaac gctacatcgt tgggggaggg gaaagactga gaggaccccg 360  
ggccccctcc tgaggctcag accaggcctc gcggccccgg c 401

<210> 1306

<211> 327

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA478971

<220>  
 <221> unsure  
 <222> (1)..(327)  
 <223> n = a or c or g or t

<400> 1306  
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 ccaggcgatc ccgatggaga actctcaaat aaacataacc tcccacagac accgggctagc 180  
 tattgcctcc gtgaagcgag catgacttcc ccgcgcccgg agcctccagg ctacagcgca 240  
 gttantgctg cgggcctcgc ttaaatagcc gccggcgagg gcttcggagc cgcgcggcca 300  
 ctcccggcga gagatatggt tctaate 327

<210> 1307  
 <211> 372  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA479044

<400> 1307  
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 acctgttggg tcttggctgt tgggatgata attcttttgg gtgaggggaa cagccgtggt 180  
 caaggctgcc tgcaccccca tccaggcaca ggaccttggg caaagtctca aaagaggtag 240  
 tgtttttact ttgcaccaa caatacaaca taagtattgg gtacaaaaga ggagatttcc 300  
 ttccctctca cctcaacggg caaaaggcct tccatcttca gaagaggctt gtgaggacca 360  
 tcggttgatg ac 372

<210> 1308  
 <211> 248  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 gcctatatct acctcccgcc ctccctcccc accaatctgg gagagggaag agcagagatc 180  
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<220>  
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 ctgtctttta aattgcttga ggaaaaatgg ttgtaattaa attcctgcta cagaaaagcc 360  
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ggggcttttg caatgatagc agataactgt acaaatgtac agttagttat agaggttctt 480  
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<220>  
 <223> Genbank Accession No. AA479139

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 aaaaattgggt ttttgtggga tcaagctccc aagtagttca attttaagct tgcaagtttt 360  
 aaccgcata ctttttctat tcaaaacccc ccgattgctt tcatccctac ataggatat 420  
 atccaatgtg ggaaaaacct ccttgggtaa tctgccgggg aaacttggct catgggaaat 480  
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<220>  
 <223> Genbank Accession No. AA479148

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 aatagacttc tttccctaata tatgtcttcc tccttttgagt ttcttatggc taatgatcat 240  
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<220>  
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 cctgattgct actttttcat cttaaattat atatttctc atctaattctg ccttccctc 240  
 gtccacagac atttgaggaa ggaaatggga ggggtgctgt tatccctttc tctttgcttt 300  
 gtccccgttg ttagactggc agcgtcagtt gctcgggtgg cttgggttaga gccgtgggtg 360  
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<210> 1313  
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<213> Homo sapiens

<220>

<223> Genbank Accession No. AA479488

<400> 1313

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ggtgcatggc atgggaatac atctccctga tctttgagag agcctctctg gatattcttt 240
cagagcatga gccaggatgt actgactact ttcttcacac atcagttgcc ctttatgac 300
tcagttcata aactctttgt ggtatgtagc aatcaaaagt catattactt ctgtaaaact 360
aacattatat aggtgtgata gtcccagaca aattatatga agctagattt ttcttgccct 420
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cagaagcaca gctgaccaga aatttgc 507
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<210> 1314

<211> 522

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA479498

<400> 1314

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gctcaccagg acgcggaaca gcagcagggc ccagggtgtg ccacgccgat gggagagcac 180
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agcgagcaag cctcgggtca tctcgggccg acgcttcacc ttggccttga acaccacctg 300
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gagaagccag aagggcaagg gcccaggcgg ttggcgcggg gagtatctcg gaagtagaag 420
gagaagaggg tggtagcga ggcggcccag agcagacaga gggccaggaa caccgtctga 480
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<210> 1315

<211> 280

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA479727

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agtcctttta aatacatata cttaggtaca ttcagcaaag ggcattctac gggtagacatg 120
gagcaaagtg ctgggatggc gatgcctggg tggggcagag aagtgtggcc aggggaaggcc 180
ccctgggcgc tggaggtaca ggcaccactt cagaaacaaa aataaaacca aaaattgctc 240
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<210> 1316

<211> 201

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA479797

<400> 1316

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aaattataaa taatgaaaaa tatgcattta gaaaaagaag cagcagtcct cttggcgggc 120
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cggtctgagg actcttttggg tgagtggcag gtgaggccct ggggtccaggg tctgtcagag 180  
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<210> 1317

<211> 416

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA479881

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 gagtgggtctg tgttgcttgg gagcccaacc tacaacccaa aggtgggggc tgggctgaga 180  
 ctgccggtgc ggcaggggaa gatggcacca agaatgacag tgcttggctc agctgccaga 240  
 ggggtgaggcc cacagctctc actggcggtt gctgtccagg ccaagccag aatgatgcag 300  
 aggaaggagc tcagccccag gagcctgcct ctgcctctca catcctctgc ttccttggcc 360  
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<210> 1318

<211> 418

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA479885

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 catgattgag tctggctggg gatgattcta aagggtcagg aaagtgaaaa gacattggcc 180  
 aaaaagagaa gttgcaggga gggctgacat cctacatgag aacacagcag acttccctct 240  
 ggccccctac cctatcaccc cttcaattta gaatctcccc ccaatctaca aagatccttc 300  
 ctgaattttc tcagatgcaa tctcttccag aaagctttcc tgggtctgct cttagctgcat 360  
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<210> 1319

<211> 275

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA479945

<400> 1319

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 agccctgccc caccctctgc cctgcggaag ctaagtcccc agctataaga ccctgcccct 180  
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<210> 1320

<211> 421

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA479961

<400> 1320



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ccatacatctg gatgctggat gacgtggcta gtagcattaa ttctacctt gtacagtggg 180
catggagact gaagaaacat tgtcactttc tcatcttcca gcatcaactg taaaaataat 240
cttcgtataa accctgaaat gttcccagat gttggaaggt tccctctttg aggagatgtc 300
tgaaatagtt cacaaagaac ctgtgccatc agcttttgat tattaggatg gcatgaaatg 360
cactgtagaa agaacgcaac agttgcattc tcaattgctg tgcgctgttg agtagtcagt 420
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<210> 1321

<211> 452

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA479968

<400> 1321

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cctcaggatg gggatctggg caatggcagc aagctgggag ggggggtgcag ccaggatgac 180
agcagatctg cagggcgggg tcttcgcccc gggccaactg gctggggccg acagtcacag 240
ctgctgtctaa atgggccttg agcagctgaa gctgtttcag ggcttgacag acctctgggg 300
tggtcccgcc acacacccca gcaggttgta gttctcacca gggtccttgg aaaggtcata 360
gagcagcggg ggctcatgag cagtcagaga gctggaggcg tggcaggcag ggtctgcagt 420
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<210> 1322

<211> 493

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA480975

<400> 1322

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gcacagacat aatttggttg gcgtgattta aacatataaa atcagtaatt aacatttagc 180
atatcacacg accacttttg cttttaacaa actaatcttc acacatggta acaaatacct 240
atgatttttc atttagaaat attataagaa gactaaactt actattgcaa caacaaaaat 300
ttaaccatt aaactagaaa ctctcttcat ttttccttct tcaaattact gttttgtgtc 360
ttaaactgag ttggtcaaat ttgagcacat aattcatgta gagtgacaga ctttcattta 420
gagtgataga cttccaaggt tcctttgaaa atttaagata ctggttaatt cataaacact 480
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<210> 1323

<211> 225

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA480991

<400> 1323

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agccaatcag cagaggcgga ctggctcagt tgctgggca caggcccctg gttggccgaa 180
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<212> DNA  
<213> Homo sapiens

<220>  
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<213> Homo sapiens

<220>  
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atccttccca cgatatatta ctatttagtc taagctttta ttcaaagggt gagaatgacg 180  
aattcaagaa tttctttcat acataaattg ctttccttag ttctgcagat gggtaatctg 240  
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<211> 400  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA481060

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ctttttttct gatattggag tagcatttca gattttggag attagcttag ggcaaagtaa 180  
aagtcatgga aggcagtgtg taaataacat taattatgaa gctacttttc agaagctagt 240  
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<213> Homo sapiens

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<223> Genbank Accession No. AA481420

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cacatccagt cccagcccaa gatccagtct acccaggcca tgtccccgaa tggcaggagg 180  
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ggccccccca ttctccgcac atggtagggg ctgttaggaa catagcgtgg catcccccg 300  
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394

<210> 1328

<211> 545

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA481432

<400> 1328

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<210> 1329

<211> 313

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA481526

<400> 1329

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agaagccaat ttattctata atcctaaaga accttaaatg tgggtttggt tgaattggcc 240
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gccgtctttg aaa 313
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<210> 1330

<211> 395

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA481670

<400> 1330

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tgactttaag gaaaatgaag aaaaagaacc aaaatgactt tattaaaata atttccaaga 180
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acaatgaata tcatgaactc tcaatgggta ggttt 395
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<210> 1331

<211> 475

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA482007

<400> 1331

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<210> 1332

<211> 347

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA482104

<400> 1332

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aagcccggcc acctgggccc tggaggaggc tggagtgtga gagcctctgt gacgcgcac 300
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<210> 1333

<211> 199

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA482127

<400> 1333

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aggacaggga ccatctgtcc cccaataagg gcaggggcta gagtgttata aaatgacaat 180
ataaatagac ttctagaaa 199
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<210> 1334

<211> 126

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA482224

<400> 1334

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catagc 126
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<210> 1335

<211> 147

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA482319

<400> 1335

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aactgaaaaa atatgaaacc aaaagta 147

<210> 1336

<211> 523

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA482546

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tcccgtctgc ccccgaggag aagaccacg gctgggtggg gtggaagatg acgtccagca 180  
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<210> 1337

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA482594

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caattttgtc aatatcaaaa gacaaaatca aaacatcttt tataatataa aacaaatcca 360  
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<220>  
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 ctactctctt gcatcatgca ccagacaca ctacaaaaaa ctattcata acacagtaag 180  
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<220>  
 <223> Genbank Accession No. AA485326

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ccaagttgtg aatgacagtt tagccttgca gagtttcctt cttctccaat tacaatgtgt 240  
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<220>  
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taggagactc ggaccggcag ccctggctcc agcttcatca tctgtgtctt cctctctctg 180  
ccaggctctt cgaggggatg caggaggctg ggcacgggtga gctggcaggg ggcttggtct 240  
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tgatgaattc gcacactttc cagttcccca cctccaatgg cggccagggt ctccagcctg 420  
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<213> Homo sapiens

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aactataaag tcatgaggct gattgacctt ttaactaac ataataaaat ctatatgggtc 240
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<213> Homo sapiens

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acaaatgtgc aattaaaaaa tttatttttag accaccaaaa caaacaaaac aaaacagaaa 180
caaataaaaa aaagaaaaga aaatagtgc aggtgtggga gctcactcct gtaatcccag 240
cactttggaa tgccgaggcg agtggatcac ctgaggtcag gagtttgaaa ccagcctggc 300
cagcatgggtg aaacccatct ctactaaaaa taaaaaatta agcaggcgtg gtgggtgggca 360
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<210> 1352

<211> 231

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA487058

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ggcagcagtg ggtggctgtt ccacagctcg cccctcctcc agaggacca gctthtttgg 180
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<212> DNA

<213> Homo sapiens

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atcacatgac actttcagtg aaagttacat ttccaattac aaatcaaaat gcatattagg 180  
gtctctttat gggagaagct gagaaggaag tcttaggtaa aaagcacttt cctggcatta 240  
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<220>  
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attctaacat ccttgtggtt tttcttgata ttttgcattc ccatatgaac tttaggatca 300  
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aaccgttcct tgctgaagag acaaaaagta gcatgaaact gtgtgagact ctcatcttat 360  
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tctgggttaaa gaaggggaag aacttgtaat gacatacgat gtggacaagt gcattaggaa 480  
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<211> 288  
<212> DNA  
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<220>  
<223> Genbank Accession No. AA487576

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ccatcaatat gtttggttaat cctatccctt ttattaaaga caaagcacag tttgttaata 180  
ttgtcttgga ttaactctat ttgtaagggtt acttatagtg gttcatacta aaggcagggg 240  
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<212> DNA  
<213> Homo sapiens

<220>  
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tgggatctca cagattgctg aacttcctat tgctttctat tatcatatgt taatagaagc 180  
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caggaaatta aag 253

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<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA487856

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gtggataagg gggtaactgc tgtatctttt agtagaagca agagcagccc catgtggggc 240  
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<212> DNA  
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<220>  
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tctaaagata aacacaattt ttcttgaatt taaaatatat gggataaatg cttacaaatg 180  
gatttataaa ccttttcaactt ctacttcatt ctcttggtg tgtcttccga agatgagttg 240  
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gaacttttgg caaatattta ttcagattgc t 331

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<220>  
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<212> DNA  
<213> Homo sapiens

<220>  
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<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA488872

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gacaacgaaa gcctactaac tgcctctggc tctaaacat actgaagaga aagagataca 300  
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<210> 1364  
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<213> Homo sapiens

<220>

<223> Genbank Accession No. AA488892

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atttcggact ttaaattgat ctggtgttcc ttgcggggct tcgattgcat ctaaaatagat 180
gtgagagtgt aaagacccat aaggggcttc tctcgcttta cgatgtctta ttattttttt 240
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caagtgccac tctagttatt cggcagagtg cccaataaag gtccacgaca ataccatcac 360
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<210> 1365

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA488987

<400> 1365

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caggcaaagc ctttcctgc tgccaggggt gggagcccgg aggaagtgcc atgagcacca 240
gccccgccct cacaccagc gaggcacccc agaggccacc ggcacagggt ggtggcccc 300
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cggtccgct gcacagggca ggtgtgatgg ccccccagag tctttggcag agaacgcaga 420
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<210> 1366

<211> 392

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA489009

<400> 1366

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<211> 306

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA489061

<400> 1367

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<400> 1371
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tgtgattgtt ctgggttaaat atatgcctgt tgtcaggggc aaattcccca ctgtcctgac 420
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<210> 1372

<211> 483

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA489712

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agcagaggct ggggtggccag gagcactgtc ctctagcccc ctaactcagc ctctgcttca 240
gctcggttcc catttcctgc ctctaccccc caactcctta taaagagccc catgagctaa 300
gactaaggag aggatcatgt cccttggggc gtgtgccaatg tctgggagaa gaaatataca 360
ccactgaaca ccgagcacat gggagagggg agggacacca caggagagag agaggcaggt 420
acccaagag gtggatgggc cgagttccca gcccaaccctg aaggaggcgc tgcttccagg 480
ggg

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<210> 1373

<211> 454

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA489798

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<400> 1373
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tgggggaaga cagagctcac tgccctgtgg gtctctgtgg ggccagcccc tgatgcccac 120
gtggccactg atgccagct tcccccaaca cccaacaca ggcccaggac aatattacaa 180
aagtgaacaa atgcaacctt tttctgcttt tacaaatgac atgtctccat ccccgccag 240
caggggtagg ggaggccggt tgaaagtgac actccgttaa aaaggcaaca acttttataa 300
aatgaagact aaggaaacag cccaggggtt ggaagctgag atgctaccct gggggtgaga 360
gcatagacat gggtcgggca gaccttgtct cctttcacgg cattcctggg agggtaagaa 420
gggctgtcgt gctcagggcc agtggggact gaat 454

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<210> 1374

<211> 465

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA490159

<220>

<221> unsure

<222> (1) .. (465)

<223> n = a or c or g or t

<400> 1374

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ttttcagtat caaatctagt tttaatcttc tataacaagt caccttttct tcccacctat 60
atccaactgc gcctagtggg acagtgagaa tgatggcctc ctctctttcc ctggagtctg 120
agggtattggc aacagcagtc gccactgct gagaggactt aggaccagc agaagtcaag 180
ggctcattagt gccctgcagc tgcagganta gcctcacttc aggtggggat ggggtaggat 240
gcgggcagga cagggcctag gaaaagaaga agggtagagg agccttcctg actgcagaag 300
tttcctgttt gtctgaaggc aggaaatagg agctaacgga gtctaaggcc aaagggtatc 360
ttttaaatag agcataggat cagggagctg ggacctcact agccactgat aacttccagc 420
gccaccggg tgagagaaaa ggcgcagaaa tggaaagtga aagggt 465

```

<210> 1375

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA490212

<400> 1375

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ttaacggttt aacattttac taaatcaact cacacaaatt ccaaattgca aatataatta 60
aggacaacag attctgcttt gccttattaa atctttcatt ttcaaattcca tcaataagac 120
aaaaagtaac caaaaattag gtctgttgca aattcatgat tcttctgagg ggggaaacca 180
aaagaacatt agagtaaaaa gaacgccact ggaggatgta caataaagca ccacaacaca 240
cgcttacaaa cggggcttcc tggcttcggg gacaggtaaa agacgctgtt ctccccactg 300
ctgtgcgtca atcagggttt cattaaaata aaactataaa atctcctagg ttacactaag 360
tcagacacgg tctggaacac agtgcttaac aacagtaatg ccaactatca gtgctaacat 420
aaaaacattt tagaagg 437

```

<210> 1376

<211> 342

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA490214

<400> 1376

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tcacactgtc acaattttatt gaaattttat aaaaactcag gccaaagtga agaataaggt 60
acaactcaag agtacaaaga caactccgtt tccgttcagt acttttctcc tcagcactgg 120
tggtaaagaaa gcccttctgt ctctagtagc caggcagcat ggacttacag tcttaaaatg 180
aggctttatg tatttcaggc tggaggcagg ttgccttttc tcttgaggaa tctcaggcag 240
ggtaaaagtt acttaccact cagtacctct gtgccagaag aaaagctcaa tttattcaat 300
ccttagaaaa gttactatcg tcccctgggtc agacactaag gt 342

```

<210> 1377

<211> 332

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA490494

<400> 1377

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tttttttttt ttaacaaaca cctaattgttt attaataaat tagtacactt gaaggcattt 60
ttctgatata ggtccttcac cactaccac aaacccacc cacacaaagg gaggccacgc 120
caccttttga ttggaacctg gcaactgagc attagaagg acatttgtaa atgggagcat 180
agttgcaaat atatcagaca agggttctta cagttgcagc cattttttaa taaagtaatt 240
gggtgaaggaa tcccaccagg accaaggcct tgagagcaga ttggacctat tgattatgtg 300
tatataaaaa acaagacatc ttttaagca aa 332

```

<210> 1378

<211> 388



<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA490620

<400> 1378  
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cgccctgagg ccacagcctt ttcccagggc tgctggcagg gtcccagggc tgctggcagg 120  
ggttgtggtc ctggttgagca gaggagcgac gccgctgccc tggccccgcg tgctccctatg 180  
atcctgcact ctgggggtggg agctacatat catccttgga caccaggcag tagaagtctg 240  
tgcggggcact gtagtttcgc gagccgagat ccgagacgtc cacttcgctg ctccggctct 300  
ctcccagcga gacccccactg gtgtgcgggtg gagctgatgg ctctccaaaa acaggccccc 360  
ggacacccag gtcgccctca ggggtccgg 388

<210> 1379  
<211> 493  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA490670

<400> 1379  
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aacatagcaa atcattatgt catactgtag aaagatgaag caaaggatta aactccaagg 120  
ataaagaaaag tgctcatagc aacgtattgc agtctccatg aaagtgcata taaacgggta 180  
aggcaaagta ccatcttggt acagacatgt tgcaaaactga cttttaaaac aattttttta 240  
aatatataca aacttttttt cttctattct tctcaaaggc atttgaaagg gatactttta 300  
tgaatatattct tgctgtagaa caatgtagaa ataacttctg ggtataaaac agtaaaaaata 360  
aaaatatattct acctgagtggt gttaaatacca gtgatttgta aaacaaaacc ttcacaagtg 420  
tgggcttttct acatgtaact tgccaggctg aaggcttaca ccctcatgtt ctacaacaca 480  
gatcactaat gat 493

<210> 1380  
<211> 312  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA490775

<400> 1380  
gctgggatta caggtgtaag ccatcacacc tggccctagt gacagggttt tatgggtact 60  
tttagatgat ctaagaaatc atgtgcatat atctttcaga tttttatttt gggaaaatgt 120  
aggtttctac aacatattgt ttcagtgttc aaataaactg aaggactcaa cattacattt 180  
gaactatata cttcctagtg ggttagtggtg aaaaagagtt tggctgattc ctaaaactct 240  
gccagccctg cagtaatctc cagggcctgg ttattgttca gacattccat ggtgattcct 300  
gggaaggaag ct 312

<210> 1381  
<211> 233  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA490882

<400> 1381  
tttttttttc ataatgctaa tgcaagaggg cttgaagtat caaagagtcc acaggaaatg 60  
gatgccccca gtaatatctt ttttttaaaa aaaatatata ttatataata tatattatat 120

atataaaaag ctagtgtaaa tgcttccatg gtgtgggtcac aaatttgaaa gatgaacctc 180  
ctttcagctg ttaaccatct tcccatttgc aacagggtttt aaaaagtcgt ttt 233

<210> 1382

<211> 405

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA490890

<400> 1382

ttttttttga aaataggaga ttccagtcta cccgaatcag tgtaatacgg aaatgctcac 60  
tgttttaacc cttaaaagaa aagtaatctg atgttaacca atcagcattt tttcctgtta 120  
cagttctcac cttacaaaac ccactgcttt gccactgccc agtgagacct ctcattctat 180  
tttgtagaat ggaggctgat ccgattcatg catcttgaat aaaagccaat tagatctatg 240  
attaaaattg ttgtaatatt gtcttttgac aacatgtata ttaaaagtac tcaatctggt 300  
tgttattgtt tttgatagaa aaaataacta tgctacactt atccacagtc cttgggtcagc 360  
caacttcagg ctcaaataatg tcacattaca ttctacaact tgctt 405

<210> 1383

<211> 253

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA490947

<400> 1383

tttttttttt tttttttttt tttttgcaga accttgaaat aaaacatggt ttacagtaag 60  
ttcacacaca ggcttaatgc gaaccagagt aatgcacaga tgattgccaa gaccatattg 120  
acaaattgtg attagattat aacgcatagt agcctgcctt acattcagca agttcaaaca 180  
ggacacaaaa ccagtcaact gaacacagag cagctctctt cagaagcact tccaatgagt 240  
gatgcagaga ttt 253

<210> 1384

<211> 361

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA490964

<400> 1384

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ctgaatctga atgcccccat aggtggaact tcaaactctc aatgttcaaa acaacatcgc 120  
tttttcttca caaaatcttc attatgtatt tgatggaacc aatatccttg aaataacata 180  
aattccaagc ttagggtagc tttgacgtat aggggataaa agaaaggga cagtcaatca 240  
gatgctaagt tctcttagtt ttacttttct tgtttctctc cagtgcaaat agcaagcaat 300  
acacatagca agtgctgaat aagtgtcttt ggaatgtgta ttctaatttc tgaacctttc 360  
c 361

<210> 1385

<211> 448

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA491000

<400> 1385

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ttaggacact gggtatgatt tctcaattta cacatattcc ttttgaaaat cttagaaaaa 120
atgtttcacc aatgttaagg tacaactctt gaatatgcag cgtagtcttc tctctttatt 180
ctgaataaca gaagcacgta aattaaatta tcctctttgc acaattattc cccccaaaac 240
taattttataa catataatta tctccctaaa aagcagttac aaaccataaa ttgaatatga 300
ataaaaatag aaaaagagca caaattttta agccctccat gcaaaaaaaa attaatacat 360
tggtcttacc tataaacctt attttgttta tgctaagcac agaaccctta tgggctcata 420
ggagtcagca aacagctaca gatgagtc                                     448

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<210> 1386

<211> 422

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA491001

<400> 1386

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actaggaata agccggtata aaatacattt ttagaaaatt cacttgagaga taaaaaatct 120
tgtcccaact cctcccccaa tccccaaaat ctgtgctctt ctgcctgagt taattcagct 180
ttgctgagcc tcctgcaaga gcttgagcag ggggtcgtca gccctgaggg aaaagggtgag 240
cgtgcgctgc tggtagtgcc tagggtcaca ctccaagttc tcgatcacct cagccagcag 300
gtgggcccgt tcaggcctga gccggggggc tcgaagccca gggcggtgaa gtgcacatgc 360
aggtggtagt aggagggcag gtagtgcagg tatactcgca gatggtctcc cttcatccgg 420
ta                                                                422

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<210> 1387

<211> 451

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA491188

<220>

<221> unsure

<222> (1)..(451)

<223> n = a or c or g or t

<400> 1387

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agaattaact tctacaagaa aacatacaaa caaccccatc tccagacaaa ggaagagcaa 60
cggaagaaac gcgagcaaga acgaaaggag aagaaagcaa aggttttggg aatgcgaagg 120
ggcctcattt tggctgaaga ttaataattt tttaacatct tgtaaattt cctgtattct 180
caactttttt cctttttgtaa attttttttt ttttgctgtc atccccactt tagtcacgag 240
atctttttct gctaactgtt catagtctgt gtagtgtcca tgggttcttc atgtgctatg 300
atctctgaaa agacgttatc accttaaagc tcaaattctt tgggatgggt tttacttaag 360
tccattaaca attcagggtt ctaacgagac ccatcctaaa attctgtttc tagattttta 420
atgtcaagtt cccaagtntc ccctgctggt t                                                                451

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<210> 1388

<211> 155

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA491208

<400> 1388

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tttttttttt tttttttttt tttttttttt ttttttttag ccacaaaaca ttttattttac 60
aaaatatata ctgaatacta tacatctggc cccatcacca tggaaacaac tccaaagcct 120

```

gcctgggggat ttgtgcccga gccagccca ggagg

155

<210> 1389

<211> 443

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA491223

<400> 1389

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catttcaaat aacagattaa gttgctttcc ttacaactaa aagcttcaat tactacattt 120
caactttaat ttaacatcac atctacatgt gaagctttta tttcagggtc ggagcagctg 180
taaaatgaaa gttaccactc cattctagtc cttggatatc agtatattcc ccttcacctt 240
ccaccctatt ttcattgaaa tttccagtat actttgcccc atttggggat gtgtaagtcc 300
ccagtccatg aaacatatta tccttaaatt gtccttcata tactgctcct gaaaaatgct 360
caagtcttcc aaaaccattc atcttgtcat ctttccagct tcctgtgtag acaatcccat 420
taggagtggg atgaatacct att                                     443
```

<210> 1390

<211> 529

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA491295

<400> 1390

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gccccccaga ggcgacgcgg cgcgcagtcg aggtcgagcg atccaggcag ctactcgggc 180
tccatggcct cctccggccg cagtggatgc atgcgtgcgg gggagccggg ggcgggggccc 240
cagcaacttt ccacgcaggg actgcctctc acaagagcac ttctcctcc cccacggggg 300
gcgggtcggt gccctggagg ttgtcttcgc tgccttgctt cgtgagcaag tttccaggcg 360
ctgacagtga gcgttcctcc cgccggctgc cctcgaatgg gttcccaaag gagcgtttac 420
gtatcatggt cttcaccagg atcacggttg ccaagctggg aatgtgtttg actgagttct 480
cgacctctc ttcagtcact tcgaccagcg tgcagttctc atcctccga 529
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<210> 1391

<211> 296

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA495758

<400> 1391

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acgaaaggca ggcgggctgt gtactgggcc ctgactgtgc gtccactgct gtcttcctta 60
cctcaccagg ctactggcag cagcatcccg agagcacatc atctccacag cctggtaaat 120
tccatgtgcc tctgggtaca aaagtgcctc aacgacatgc tctggaaatc ccaaagcca 180
cagtctgagg ttgatattcta aaatctatgc cttcaaaaga gtctctgttt ttttttttta 240
acctggtaga cgggtataaaa gcagtgcata taaacaccta accttctgca aaaaaa 296
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<210> 1392

<211> 501

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA495803



ttattaaaat tatttatatt aaaaaatgaa gtatatgaag atctctcagt aataaaagta 300  
caaaaagcta ctctttgcaa tatgaaaaat tgagggtattg cataaagaga tatccccgtca 360  
gtgaaaagtg tgcctaaaaa tgttc 385

<210> 1396  
<211> 501  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA496053

<400> 1396  
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ataattaatt cagggttttca gaaagcaatc ctgtccttgt gtggattcag aaccacaaaa 180  
ctgaaaacca aagccacttc cccacttgac attcttcttc agtcgtttta ggctgaggta 240  
tgctttgttc ttttactgca gtgtatatc caggattttt aaaggatcct cgcttccaag 300  
agatctcaag tcacccttac tctgccacta atttatttcc ttgttgctga aatgatgaga 360  
gatgtataat ctccaccctc acggagtgtg catcacctg gcaaccctc cgtagtcaag 420  
gccttcttct ccatgaaatt ttatcattaa tcgcttccag agatcttttg gtctcatttt 480  
catgacctgt caatatgatt c 501

<210> 1397  
<211> 472  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA496204

<400> 1397  
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ttgcaagtgt caaagatggc atttgaacc agacagcctg gtcaccat ctggactctt 180  
acagccttca atctctaaga gggggaagga acttacatga catcctactg ggaatttgct 240  
agaaaccaga tctctctgcc ctgcggcaaa aggtacaaca gggaaacacg agaatgggtc 300  
tcagaggcac ccctggtacc cccgtcatca cctgctgaga cagagagcct ccctggccat 360  
ccaggaataa tctagaagt atcgcccaa accattttac tgggagaaca aacaccagga 420  
ggctaccttc tagaggctgc tgggcctcag acctcaagaa gtggaggcct ca 472

<210> 1398  
<211> 476  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA496245

<400> 1398  
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cttgctatgt tctaattctt agccattaag tcctacaaaa ataaacccaa gctttttacag 120  
taacttaatc aatacagaac taaagccttt atagctatta gaggggttta gttaccaagg 180  
tgcttatttt cgacaaaatg ccctgtcact cagaggacgc atgcgtatac taaagtctctg 240  
acccatcgac tcatgcaaca aatgtagacc ccaccctccc tccaccact gttacaacac 300  
aaacacaaaa caacgatgta caacagagg gaaatatgct cttggtcaac tgaccttgca 360  
gaaaagactg gcttgtttcc aagtggatga gaacgccagt gtgtggccag agtccagcaa 420  
tgactgaccg gccaggtca gaggctggca gggaccacag aagggccaa gcgctg 476

<210> 1399  
<211> 491

<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA496423

<400> 1399

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tcgggcacagg ctgggtcatg ttgttgccac cctgtgtgac ttttgaagct gtaaaatgtg 60
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ttttgtctgtt gtttctggaa tttgctttcc ctcacctctc acttccttct agaaggagct 180
tcctgactgg aaccagagaa tgcattgtctg tccacttggt ggctgctggg tggggccggg 240
aacaagggcc cctgaccctg tgtgctggcc gggacctgcc accagcccc cagcctgctt 300
cttccccctta agctttgtgc ccctggatgc gctaacattc actcttggtt gtccctggac 360
tgcccatgaa gtgaagagaa ggttaatttt aagagaattc cctattttatt tgacaaaaaa 420
tccagttaat atattaatgt gaaataaacc ctgtttgcac ctcgatttgt ttgtgaaaa 480
tgtgaaatag t 491
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<210> 1400

<211> 421

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA496715

<400> 1400

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ttgcaataaa tcattatctt ttattttttt taaagcaaat cagtgaagga aaggacaaaa 60
accttttggtt cacttatgta tttatgaatg gaaaaagttt ataatgcaa tttcactcat 120
taaaaaactt aggtacaaat tacaacatta cagataattc tctttttgct gctttttgtt 180
cacatggaga ccttggagac tcaattcacg ttaagacacc taaggtaga gtcctccagg 240
taaatattac acaaatggga agcatcttga atttttaagt atatttcaat acataaattt 300
ttatgcatgc tttaaacaaa cagtattttt tttaaatgag agaatctaac aaaaaaagtc 360
tgaccagcac cagcatttaa attttctgat tttaatatta gtctgacata gcgttagtaa 420
c 421
```

<210> 1401

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA496914

<400> 1401

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tttttttttt tttttcaaaa aaaaatgccg tttattattg tagattattc ttttcttgat 60
ataaccagaa ttgaaaatga aagaaaagca cataggaaca acacgcgtgg ttagttagta 120
actcaagata taaaacaatt ttgcacagca aaatatgtaa aagaaaagta actgacaaga 180
tttttttata tttattgttg taagatttac ttttcatttc tttttaaaga caggatgtca 240
gtccctgaaa ataacattta ctgattattg cctttaaaac tgtggatttt tttttaagtt 300
acagaaaatc cagttctgca ccacaatata actgtaaaaa aatctgcatc atcttaaaac 360
tgtgcagtaa tgccatttt 379
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<210> 1402

<211> 374

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA496927

<400> 1402

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gtttttaata cattcttggg atgttggccca ttcagacagc attatttcaa atatagatga 120
gttatccaac tttttttgac tcaaagatag tttgcttaga tttttttttt ttgagatgga 180
gtcttgtctc gtcaccaggc tggagtgtag tggcgtgatc tcagctcacc gcaacctccg 240
cctcccaggt tcaagcaatt ctctacctc agcctcccaa gtagctggga ctacaggcac 300
gcaccaccac acccagctaa tttttgtatt tttagtagag acaggggttc accatgttgg 360
ccaggatggt ctgc 374

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<210> 1403

<211> 363

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA496936

<400> 1403

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tttctgggta aaagcacttt attgattaca gtatcaattc acaacatttc ataaagccac 60
tgtacaaaata gaggaatgaa tcaactgtgta agaaagatct aagaacagtt aaatcatgat 120
acaagtccat agtttatatg gtttagagct ttaagagcct taatctaaca cgtttaccct 180
tcccataatt agactactac tgacattcat gttcagttga ccacgagtggt gtacaaatca 240
ttctaggtaa agacaaacac tttcagaatg ctttaacaga aaaataattt taatcaactt 300
taaaaaacaca cttagatgtg gatgcctttg gataggaaaa tagaaatgca agtggttcaga 360
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<210> 1404

<211> 472

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA496981

<400> 1404

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aaactttggc atttttattc agacacgtat aaaaacaaaa caaaaaactt cagtgatata 60
acagacgttt tcccttagtt ccccatccaa ggggacagag gtgtgcagct gaagctggat 120
cttttttctg tctacctggg aagcttctca ctgctggatg agaattggct ctaaaagtgg 180
atcttgggga accttgtgaa tttgccctcg gataaggagt gaagatcatt tacggcacat 240
gtggattatg gtttacacaa agatgtccag ttatttttcc ttctgactac cccaccacc 300
acttctctgag atgagatgtc taggtatagg aggatgtggc tgttgggggt agacttgatt 360
cagtgcacaa acaagaaaca gtgcccctta aacaagggtc gtaacttaa tcagtttttc 420
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<210> 1405

<211> 451

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA496993

<400> 1405

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tttaataaaa aaagagaact gaaatgctac cgcaatattc aactactgta gtttcagcag 120
gtacaacaga caacaaaaca ctgggggaaat ctgacttttt gcactaaatg aaacatgaaa 180
cagggcttgt ttttgtcatt tatcgtgtag taaagcacat tatagtacaa gactattata 240
tgaacctcag aagcactgca caaaaaaaca ctttctctct tttcagttca aaagtcagtg 300
cttattgcaa ttatatgcaa aattattttac ttcattgaagt tttatgataa acagtatgca 360
aaatgtttta aacatccaaa caataaaaat aatctggaac agaacatatt caacaataac 420
taagcagaat tagtaaacat aaagtaata a 451

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<210> 1406  
 <211> 273  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA497018

<400> 1406  
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 ttccagataa atgcttttca ttttctccct tgtgcatctt tgtgttctcc atattttcca 180  
 taatcaatta tgtttacgat caggagagag tgctgagaga agaacagagc tggcgtgaat 240  
 gccctggggg ataagggctg atggcaggag ctc 273

<210> 1407  
 <211> 252  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA497031

<400> 1407  
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 gctccctgca tggcccggcc cgctgccagg cccgctgtct ctgggtgctc agtgtgtggt 180  
 gctctgagga cacgggtcct gagggccttg ctcttcatcc ttcacagtgg ggacacggcc 240  
 ctcatgccag cg 252

<210> 1408  
 <211> 297  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA497052

<400> 1408  
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 agaacatgca gctatgtgtg tgcgctgata ttgtttaaag gtaatactta ttctcggaag 180  
 gcaaggcaca tcttgtggta gaaaatttcg tgcaaattag gaaacatgga atttttttta 240  
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<210> 1409  
 <211> 446  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA504111

<400> 1409  
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 aaaataagtt tattttctaa agaaatttca gtgaaagaaa aaggatgttt attatgacat 180  
 aatatattga ttctaatg tggatctatt aactgtttgt ctaatctagt caaaatattt 240  
 aagctgtttc tgcatatgta aataaggctt aaaaattaga gaacaaaatc tgttctctaa 300  
 ttttacctag taaaataatg gtaaagcaat aaactaaatt tacaaagggt tcatagatat 360  
 gcctatcaca agttttaaatt aaaaacaatc aggagagaag catgtcaaca atgtgttaatt 420

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446

<210> 1410

<211> 331

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA504264

<400> 1410

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cactgaaatt tgaatttcac ataattctca cgtgtcacaa aataattctt ttgattcttt 120
tccaaccatt taaaaaatgt aaagaacatt cttagctctc aggctacaca aaaatatggc 180
tatactttgt caaccatccc tagacctga acagcatctc tgaattagta acacttaggt 240
gtcctaaaaa acaggttttg gatagctgtg tgtaaggag tccctaaaaa attcataatg 300
ccaattagca taataaaggc tctaagcctt g 331
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<210> 1411

<211> 538

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA504270

<400> 1411

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tgcaaatgat aattagaaag cattcctggg agcttccaaa tagctgagat tgcgagcata 180
tggaacaggg agcagcaaca gtccatgatg cagggatgtc caagttagta gaacctaat 240
tccaagttca ggacttccat caggctcact tggagggaca cctcttaaaa ttgctagctc 300
ctggaatgtc ttctgttttg ataccatct tctagacttt tgccaattct aaatttagtt 360
cccaatgttt gtgaaagtcc aaaatctgtg cggctatgaa acagatggta ttctgaattt 420
tctcacatga tttgctctct catctatttg gacaattgtt agttatataa ttatattcat 480
ttcaaatgaa taaaagagaa cagcgatact gtttggtgat actagatatt agatgtta 538
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<210> 1412

<211> 541

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA504324

<400> 1412

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gcgcaaaaaa ctcccaacaa ctttaacaat acaattaacg cattatgaat tatatactac 120
tcaaagcccc aaggtcagaa ggtcaatcag cttaacgctc caaacatttc cagacatggg 180
ttttcaaagc tacctttggg ttttgaaaaa accagtatgg aagtcaatat acattgaacg 240
cactgaataa catttgctta tagtaagggtg tccgacaaca ttagctcaca cctggcaagt 300
tgagagcatga tctgaagtca tacactgaaa tccatacaca ggtttcgccc ccgagctcct 360
gcagggagaa gcgagggcgg tgaaggggga agaaaaggcc agtccgggtg tggcgtttct 420
cgctttgtaa cagaggtatg agagtttaac actagtacac tgtcaagtca ttaagcttca 480
tgttccacat ggtttcttgc tgaggcttga gatgggcaca aatggtgggg aagatgaagt 540
c 541
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<210> 1413

<211> 452

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA504413

<400> 1413

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tgagacaacc agatgctgta aaaaaaaaaa cagcactggg atgtgttgag gagggggcag 60
tttgctgtgc tctgttctgt ctgctgctct ctctgggggc cgcacaatgt ccgcacacat 120
cacggagggg agaaaggcat cagtaccaa cgaacaacc tcttttttct acattgtcca 180
taccgagaca tgtgaggctc tattatcaac aggtggtgag aaaaattctg tttttattcg 240
ctttctggta acttctgtag gccctggctc aaggacttag catttcgtct catgtacatc 300
tttttctgaa gtgttctttg ccatttctgg aattgtcctt ggtttttcct tagctcatag 360
gtcatagatg cagaaatata gtatttaagg catccgcac cagcatcaga tggctttgca 420
tccagaaaaa cattgataac tcagtttgaa gc 452
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<210> 1414

<211> 287

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA504492

<400> 1414

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tgatcatgat gaccagcata cacatgataa tggcttttct cttgggttta acattgcagt 120
agttttgcat actgcaatgt ttcaatagga ccaagaacgt tagagaataa agatcttaga 180
tgaaaatgaa cactaataat tctagtgtcc tcccccatag aattaatgta aatcccgtat 240
gaatcagtgg cattataatg ttatgtggtt atgaagaatg aaatttc 287
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<210> 1415

<211> 382

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA504512

<400> 1415

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cggcgcctgg gagcaagtgg gactgaggcc cagggtgctaa cacggggctg gcagtgtcga 120
gagaacactc tggaagctcc taacagacgg ctccgcgtgc ggatgcacag gccctgacgg 180
gcactctgag ctgggcagtc tgacaccaag cagtaaggcc tcccgggcag cgcacgtca 240
gtccacgagc acagcgggtg gccctctggg gggaggcagc acggggcgca ctacggcaag 300
gcgagcgggc gggatggatg aaacgcagcg gcaccaggag ccccgaggctc tcacagggtgc 360
cacccccagc cccaggattt tc 382
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<210> 1416

<211> 421

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA504806

<400> 1416

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acacaaatta gaaaaaaaaa catgtcctaa acatgttaca tgtaagttaa aaacaccttt 120
aaaaaccagc aataagccac cagtgcagct ctgacagact agaaatgagt ggttatgaaa 180
tgagcacatc tcagtttgac tgacacagtg ggagttttaa ttaccgtac atcaggaact 240
aatttatgaa tctgttgaaa aataacactt ctttaaaaaa atattttgga ataataaaaa 300
cagaaagcac agaaccacc attctattct caacttggga aggcaaatgt aaatactaaa 360
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ttctggctgc tggagttggg tctctcctca tgtttgggcg actgagggct caactactac 420  
t 421

<210> 1417  
<211> 418  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA505133

<400> 1417  
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ctaagcaaag cctagtcttt tccataaaat gaataagaag tacatttggt ggagtttgag 180  
accagcctgg gcaacacagt gagaccctgt ctctaaaagc attaaagcat taatcctcgc 240  
atttcgatag ggctatgtag cttttaagta agcaatgtta gaatgagttg tagagtttta 300  
tttttgtgaa tatagtgagt gacagatggc aattacatga ggatatttga acgaaggtag 360  
ataagcctaa acaatttcac ctaggtaaaa tattgatgtc ataaccaaac tatatggc 418

<210> 1418  
<211> 454  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA505141

<400> 1418  
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attttgcagc cattcagttc agctgtccag tatcagggtta ccaaagacaa attttcaagc 120  
tcccgggttaa tccccaccaa agtttctact gttcggctac ttcaggatgg ctaacatttg 180  
gagagaagag gatccccag gtagtctgta cataattcag agagaggaca tcagaatttt 240  
ccatggttct atttcaggta ttaagggtacc acagtgaagc atgtcatttg actgtggtgg 300  
caaagggacg gcactgagca tgcctaacct attccccggc atttcagtc aatcagcgca 360  
tgctcgcaat gatcatccat ggggtgaaaag gaagagctga aagacacatg tgctgagcaa 420  
catttaattt ctgcttggtta aacgggtgat tagg 454

<210> 1419  
<211> 489  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA505198

<400> 1419  
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gtataacacat tatatttaag cttttctctg ggccaaactg cttcatcctt ttttctttct 180  
tttttttttt tttagcctta tgatgaattt gtttgaaggg cattttcttt atgaacaaag 240  
gcttggtatgc atattccttt ctttctgtga atgggtatta ttccctgagg aaagttgcac 300  
agtgaaaacc agtctggttg tgaccacta catgttttgt tttaatcac tattacctga 360  
gttgaacttt gtcaccatg tttgtacttg ttggtctgtt taatgaagtt tgggtgatgc 420  
catcctttgc actgccgaag cgtaatcttg tgtattactt agctctctgc tgatctcagt 480  
atggacagt 489

<210> 1420  
<211> 558  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA521149

<400> 1420

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tttttttttta acataactgt ggacatatata acattttaata aatcagcaca caactgtgat 60
ggtgattgat cctttgacac gcacgctctg tgtggacgac acgtgctccc agcatggtag 120
gggaatgacc tacgtggctg acttcggaac tgaagactcc ccatatatgc acactgaaca 180
cttgctgtgca gacgtcccga ataccgcagt cttagccagg caggggtgaa tggagggaac 240
agagcagctc cttccagcct ctgggcaagc agagtgttc ctttttccag cccagggcat 300
cgcttccctt agacacgggt ttctctctgt gtgttctctc attctttcca gcaacagcac 360
agacagagct cagactgggt gtgtgtgggg tggccacaag acagcgagcc tgcttgctgt 420
gccgttgtgc tgtgtgatcc ccggccagcc cttggccctt tcctcacttc tgctagagag 480
ctggtgtgtgc tcttgagaaa gcctgcgcag gacgaggtgg accacccgat ggtctctcgg 540
cactgtgtcc agcatttc 558
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<210> 1421

<211> 601

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA521290

<400> 1421

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aaaagtaaaa acaaagtgtg cattttccct actacgttta gtcaggaata tgcggtcatt 180
ttattgggta ctgggtttct catacaaaca gatataatat cacttttaag agaaatgtac 240
acaagggaagt aaccatagta ccacttatta gtgggggcct ctgggtacat aaatgtgtcc 300
tcccaaatag tcatcataca ttcaatgtat tgggttagggc caaaatccct aaaccacctc 360
tcaacaaaac attacacctt tggtccttta ttatgcaaaa attacaaatt ggcaaattca 420
ataagaggat gcaatggatt tgagcatcac agccaattgc ttatactaaa atattttaat 480
tctcagactc tctttccctc atacctttcc cttccccacc tcacataaga aaatgatgct 540
taaaacaaaa cagaggaagc aattatacaa acaaaaaaac ctatcccaa aggcggggcag 600
a 601
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<210> 1422

<211> 601

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA521292

<400> 1422

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agacagcgta aagtgtcttg aatgagggcc aatgatgaac aaagagcaca aaaacagctt 180
catcttaggg tataagaagg gataatagca tacctaaatc cttatggaaa tagaaacatt 240
ctaaggggga tgcaacaatt ttgaaaagaa ttagagcaat atttctacag tattacatta 300
ttactagtag ataataacaa gggtagaaat taatgtctca atatcaaagt gggttcagtat 360
tacatgacac atggctcttt ggaaaatatt ttacctgata tatacaacca caagaagaaa 420
acacagacaa atggcttttag tcaatgatta ctatacagtg aatgaatgat gtgcaacatt 480
taatagtcac aaagcatttg ctttcagtag agataatgaa atacagtagt gtgaggtttg 540
gttggtttttt aacaatgaat tgtgtctgggc atttatgtat agagggctta ttattttcct 600
c 601
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<210> 1423

<211> 602

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA521306

<400> 1423

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caaagtctct ttttctttct tttttaatta taaaactaac agctgttaga atcttttttt 120
ctttttttcc ttttttcttt tcccagctac aaaatactct ggggagatgc attataattt 180
aaaatatata atattgcaca aacaaccaa aggttaatta aactaaagaa ataattacaa 240
agagaaaaac cccatcccgt caaaaaaaag attcagcatt ctctccatcc caccctctca 300
ctgaagggtt gaagtgggaag tgacctcact ctcttggtgt ccctgaccca cgatcccttt 360
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ccaggctctc cagagattcc tgcagccctt cattccccca gaggtgcagc tttaccagag 480
tggagggtga gagcacaag gctgggtctg tcttcaggaa gaagagcttt tgcagaagcc 540
tgatgagagt ttcaagttca cccccaggat agcccttcca gaagcagaag ggctgaggcg 600
ga 602
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<210> 1424

<211> 318

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598405

<400> 1424

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cagccttgaa cttctgggct caagtgatcc tcccacctca acctcctgag tagctgggaa 120
tacaggcatg caccaccatg cctaattttt tagagatggg gtcttgctat attgccagat 180
ctggcctcaa gtaatcctcc tgccctcagct ttctgaattg ctgggattat cggcatgagc 240
cactgtgccc agctaagctg tgacttttga ggcaaccctt tcccttccac agagtttagt 300
ttcctcattt gtaaaatg 318
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<210> 1425

<211> 434

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598412

<400> 1425

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tttttttttt ttttaagtcca ttacagtgca catttattga ctctgtgtat cttcacagtg 60
tgatcttcac cacagcttgc aaagtgtaac cactcagcac cttctgcttc cttctgttca 120
gtttttccac tgcaattctt ccagcataat tttctgatat ccagtgtatg actttggctt 180
tgacttgttt ctacacagtg ggtccagtca tttatttctg gaacttgatc agtctttttc 240
caggatatata agcaaattctt tccacactcc aatcctactg caaccacgta tcgttgagaa 300
gggtggagca ctgggcagac gctgacagct gtcacagccc caccacgctc caggactgag 360
gagcaggggc caatgtttgt ctcaatacag tcatcagtgg agtcacactc accccagaca 420
accacctttt tgctc 434
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<210> 1426

<211> 418

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598417

<400> 1426

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 tatattagcc ttcccatgag ttttaataaaa actaatattt ggtttttagat tcaataccat 180  
 cctttcaaat atttggatatg aaacttggtg gcaatgcaat tgtctgatgt acagagcaga 240  
 tttcaccatg agagattaca ccaaagaaca gatgtccctt cccagaacat tatctcacc 300  
 cagactcaga aactgagcag ccaagcttcc ttcccaggaa tcaccatgga atgtctgaac 360  
 aataaccagg ccctggagat tactgcaggg ctggcagagt tttaggaatc agccaaac 418

<210> 1427

<211> 436

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598419

<400> 1427

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 ccactatctt ctctttgatc tcaaatttaa acactttaat ttactcaag taaaagcaga 120  
 atcacataac ggacatcaaa actaaatagt tcacatcatt agtttaaatt aaatatgttc 180  
 ttgattatatt ctgaggaata gtaactcttc tttcctacct ggtattttctc ttttgtttac 240  
 tgagtaacta tgtaatgggt atctcttttc tatattcagt aatacagggtg cacacagggtg 300  
 taattttaaaa aagtaactgg attcctttctc taatattcat gttcaactct ccctattaca 360  
 tggtattttcc ataatagctt cagatatttt catcaaactc acactgtcat caattgtgaa 420  
 aattaaaagg ttaatt 436

<210> 1428

<211> 384

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598447

<400> 1428

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 acccatttta cagaaaaatc caaaaacata tactgcaata agctcaaaac aatgtgaaaa 120  
 agaccagtgt gaatggcaca caaaaatcgc ctctttataa attaactgga attcatgatc 180  
 atgaagttagg cacagggaaa tccagtcctc agggctttgc tctctggaag aacaccttta 240  
 agtaattttt aaaaacttta gcatcaggct gctgaagcgc ttgacaaaac tcttgaatta 300  
 tttctggagc tacttgcaag gagggcaggt attcttggtg aagatactga acacattctg 360  
 ggccccgttt gagatgaatt gttt 384

<210> 1429

<211> 320

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598453

<400> 1429

ttaaattaag agacaggggtg tctcaatggt gcccaagctg gagttcagta gctagtggct 60  
 attcacaaga acgatcatcg cacactacct caaactcctg ggatcaagca atcctcctgc 120  
 ctgacttttc caagtcgctg ggactataag tgtgtaccac agcatgtcag ctctctctct 180  
 ccttcttgac ctaaaagccta gcataaaatt agctaagtag aatgtttcca aagatggctg 240  
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<210> 1430

<211> 268

<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA598506

<400> 1430  
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tgataaaaca catacaaaac ttaaaagaca gctcgatttc atcttcctcc caacacctgc 180  
aactgtttcc agattttctg tgtagtcttc tttgtgcttt cagttcagta aaaattagaa 240  
aggataacaa acttgtaaag tcagatac 268

<210> 1431  
<211> 370  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA598589

<400> 1431  
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acaataatta cgtctaaaga cagttcagct ggataaatca tcttccaagt atgttaaaga 180  
aaaattttcta aaaatactgc tgggtgttcag ttagaattaa aggactttgg ggaaaatgaa 240  
ataatatgat acaggtggag tgaataagga tacacgggat ttacattttt cattaccctc 300  
agatataaac aaacattcaa aaatcaacac aaactctgtg tgttattcaa aatattgcag 360  
ctgcaggaaa 370

<210> 1432  
<211> 484  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA598648

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gatgagcttg cgatacccct cctcatcttc agccatgagc ctccgcatgc gtccttctc 180  
gatccgctcg ttctctttct tctgtctccg ctccgtgttg gcatggtacg tggccactga 240  
cttgggtcagc ttctggattt tgectgtgac ggatctgtga tattccttga aatccttggc 300  
atgctggaga atgctattga ggtattcctg gtgcttctgc cggcgcttgc gtcctggctc 360  
gatcttctgc tgcttctcca gcttctcagt gatgcgggcc tcgcgcgga ctggcgcttg 420  
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ccac 484

<210> 1433  
<211> 381  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA598675

<400> 1433  
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tccgagtcaa aacagtggcc cattggcact gagcttctga ttgggtgtagg gcagtccaat 120  
cagtgtctggg gtcactgggt taccceaacc atgtccggcc aaaatggcac taccagtggt 180



tagtgaacca tctaattaaa accaaaaactc ccccagggaa aatgctacac tatcagagtc 240  
 agtcttgagt cagatcttta tttggtgctc catccagata ttttttagt gctttctctt 300  
 tacgaggtga gtatgttaca cgatgtccag tcttctggag tcgactgctt tcttttttca 360  
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<210> 1434

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598679

<400> 1434

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 ggattacagg cgtgtgccac catgcccagc taattttttg ttttttagt agagatgagg 180  
 tttcacctg tggacaaaac agcttttatt ttataaaaat gatgggcaag aagattttta 240  
 aaatcaaaag caattatact ttggccttta tgtagtccca gctactcaga aggatgatta 300  
 agccccagag tttgagtcca gcctgggcaa cactgcaaga ccccatctca aaaataaaaat 360  
 gatggaaggg ac 372

<210> 1435

<211> 421

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598685

<400> 1435

atttttattgg ttttttttaa aggaagagat tataaaaaga catttcacat taaagatttg 60  
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 cccaaatggt gaaactggta ttctaagatg aaagcttaat gaacataatg aagtgaataa 180  
 acgcgtgtga actaatgttt aaaaagttag agcttgtctc aagtcagtac agctcttaag 240  
 ataataaata cagtaacact actttttatt tctttgctct tttatccctt tcaggttcga 300  
 tttgctgctt tgattactgt gtagcactg gctgaaaaac taaaggagaa ttatattgtc 360  
 ttgctaccag aatccattcc tttcttagca gagttgatgg aaggtaattc ccaaactatt 420  
 c 421

<210> 1436

<211> 441

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598712

<400> 1436

gactaagcaa aatttgtact tgtttaataa gaaaatcact tctttaaaaa aatagttctt 60  
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 cctacaaggg aaggctcctga ggttacaacg ccggcatggc ggaaaacatg gctgcagcga 180  
 tcccagcttc ttgctgcccc caggggtggc acatctgggc acacactgtg agctgctcag 240  
 aggcaactct gtgggcagct cccatcgctt cagtcagtgt ctccgtcccc ttcactgcct 300  
 tccaggggac tgggcacctt ggcgccctg ccacctgccg tgagagcggg ggcactgaag 360  
 ttgtggatgg gcaagggtgct cagccactgg gccatggagc gttcgtcccc ctcggtgccg 420  
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<210> 1437

<211> 374

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598746

<220>

<221> unsure

<222> (1)..(374)

<223> n = a or c or g or t

<400> 1437

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taccctgctc cgctccgagt tcgggcagcg caattcacca ctctcccaa gccggaccac 120
agctgggtga ggggtgggac agagagtagg agcagtccca gcatgcagt cagcagccca 180
aagcctcggg cgaangcatc gccattcatc ccccttcagg gcacagcgag atgcggggcca 240
gagctctttt gctgggacgt acacagccaa ggtcacctc cagcccggtc tgtcccatgt 300
gcagggtgatg ggggggtacga taagcagcaa tgaggggcca ggaagacctc agtctcctgg 360
gggccccatcc taaa 374
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<210> 1438

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598749

<400> 1438

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atttgattag ttgaaaacac ttccgactaa ggaagcagag agcccacaat cctgtgggaa 120
aacaggcctg ggaactaata tctcaggggt agtgagggtc gggcccagat cctcaaagg 180
tccctgcccc tgaaattgca cttttgacag ctgctgaatt ccaagcacag cgttaagtgc 240
tttacatggg gtaaccctaa aaaacacact gggcctcaga cactcccgt cacaacacca 300
acctctaccc tgtggatgtc ctagataagg gttttctctt cacaaaggta aatcaactct 360
ttgcctcctt agggagggaa ggaataaagg cattattttt gagacttttc t 411
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<210> 1439

<211> 511

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598829

<400> 1439

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ttgctccaag agtttttggg cttcttcctt ctgaagttca acatagggtta tttcatcaaa 120
gcactcagct acctctggga gggtaaagtt tcctttcatt ttgaggaccg catgttctgg 180
taggtctttt cctctactt ctgctttctt ctgtgttctt tgcttatagt cttcatcttt 240
tgggcaaact acaacagctt ttcgctggaa gcctgcaaac aggcacattt ttctcctctg 300
ggcagcagca gacacatttg tctgatccag aataaaattt cgcttctttc gggcagcaat 360
ctcaataaat ttccaagac actggggggg ctctctgcaa cagtgggtgtt cagttttcca 420
gtatctgcc a tttgcttctt aaaacctgca atcatcatct tatccataat agtatttgtg 480
caagaatgtt atatgtccct ggattttctg c 511
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<210> 1440

<211> 230

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598831

<400> 1440

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ttgtttctgat gaatattaca tttcatcctt agttttgctc atttgatttt gcttttagtgt 120
ttaaagaact tttatttatc agatcctttg ccatgaatga gagcaccaaa taacatatca 180
atacccaact gcctgattcc tttacagcag taagaaaagt cagtaaaaaca 230
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<210> 1441

<211> 174

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598926

<400> 1441

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actcttcag gagcagtagc ccttctaaga aaggggtggg aagaaaacca gcctaccctt 120
caagctgact taggatgcaa tggtagacag accagccttg ggggaggggt ctcc 174
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<210> 1442

<211> 397

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598988

<400> 1442

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tggggggaac ataggaaaat cctccacctc taacagagcg aagttactgg ctttctgctt 120
gctccaagaa tccaaggct tgatgttttg aaggaattat ctgttcttca actactccca 180
gatactcaga cataagttac acacatctgg agaaggggtc tgccctgctg aagctagatg 240
ggagctcaat gcatgggaga aaggagcatc aatctagaaa aaaatgatca aagaacagct 300
gagtgcagct gtggggccat cccaggcaag tgggctcttg gtgctctggt gtagccagaa 360
ccatacaag ctgggctggc ctaggaagcc caccaggc 397
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<210> 1443

<211> 512

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599107

<220>

<221> unsure

<222> (1) .. (512)

<223> n = a or c or g or t

<400> 1443

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ctccaacact ggcaagacgc tgtgctaata ctgaaataaa agctgccagt cagtaaacac 120
ttacaatcat catcctttgt atcatgttaa tagaaatatt aataactact tagctttata 180
agcttattgc acttcatgtg gatttttttt tctccagaaa aggtatttct aaaagatcgg 240
caaggattgc caatcttgat ttgttctttc ttataaaactg tgatcaacat acagttgata 300
gctttatata aaagcattaa gagtctgaag catcanaaaa caacgtttta aaagatgcag 360
ctccatgttc atcatccctt ttataatctc tttttttttt ttttgagatg gggttcgccc 420
ctggtgccaa gctggagtg caggtgcgat ttggctcacg gaaacttcag ctccggattc 480
agcgatctcc tactcagctt ccgagtagct gg 512
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<210> 1444  
<211> 427  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA599199

<400> 1444  
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caggtgccca ccaccactcc cggctaattt ttgtaatttt ttttagtaga gatgggggttt 180  
caccacgttg gccaggctgg tctcaaactc ctgacctcag gtgatccgcc cacctcaacc 240  
tcccaaagtg ctgggattac aggagtgagc caccgggccc agcctgtttt ctcttttctc 300  
ctttccctgg ggaagagggt tggccggaca gaccctgggt tggctgggat gggggactgc 360  
tgcagagagg taacggggccc ctgagataga catgggacag cccgaaaagg tgggactgag 420  
aggggac 427

<210> 1445  
<211> 419  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA599211

<400> 1445  
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gaggatgagt ggggttttggg acgggaggca gagcatctgg ggacagaccc tctgggaaat 120  
ggctctatgca cactgctgag gctgggttaga cttgagaagc aattgacaat aaactctaca 180  
gaactggaaa tgttcaaaaag tgtcaagggtg gcttctgggt gttttcctgc ctccctgtgg 240  
gggtcagtta taccatcag tctgtgcaa aggtcctggg actggcccag gggcagccgg 300  
attcttctgct ggggacagga gctgtcctgc tcacccagca gaagcatgcc aatggacagg 360  
tgctcgggtg tgtgcccagg tgctgtggcc cccaaaactcc gtggctcctc aagcatgtc 419

<210> 1446  
<211> 394  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA599214

<400> 1446  
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agcaaaatgt gtctgtttac atagtgcag gtatgaaaaa aaagtttttc ttctctacg 180  
gtccttgact ataaggaggg aaaaattaat ttcatgccaa catttttggg gaactttaac 240  
aatcatccca tttctgctac taaaataaca aaactgggtat tacactttaa aatataaaga 300  
cctaacagtt tttacaaata tgcaaaataa ctactactta gacataaaaa aaagttgatt 360  
tcttttaaat cacaaagtaa ggcaccattg gatt 394

<210> 1447  
<211> 356  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA599234

<400> 1447  
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 atatatgtat cttgtgactt cataaaacat cctttactat atttttaaag aaagcagaag 180  
 taacagcaat atatgtaaaa gtaatgattt aatgactatg agcaagacaa agcaatagaa 240  
 ttgtgcttct tttgcagact ggggacaatg aaatgttttag ctacaatttt cccatacaaa 300  
 catgaaacaa tattcatata gaataaacac cctcacaaat aactgatggg tgatga 356

<210> 1448

<211> 557

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599244

<400> 1448  
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 aattatcagt actgacctct gcctgtgggt tacctatact gatattcttc ataacagaca 180  
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 gaagttgctt taagacaagc tcagtgaat ctttaagatt cttgtctaaa acaattttta 300  
 cattatcact gcactgaagc tgtgatggat tggcaaactg tacaaacggt tcgctttcct 360  
 tacaaggaca tacatgatgt ccactagtca cagcagtcct atcaatattt tttcttgaat 420  
 ttgaatggga tcctttttgt ttccagtatt cggatgggtc ttgtcagtat tgttcttctg 480  
 cttcactgca gactcctcaa gaaacttcag aaatgatact tcaaattccat tggcctaaaa 540  
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<210> 1449

<211> 271

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599365

<400> 1449  
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 gttaccatac tcaaattgaa gatagggaga ggtagaagaa atagctgaga acttgaaaag 180  
 atgtactgtt attgtcaaca aaccaatgtc ttctcccttc ataaaattgt gtttagggaa 240  
 tattaacaat taagcttgta tacaatagta a 271

<210> 1450

<211> 393

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599469

<400> 1450  
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 catggtacat ctgtcaaaac caagggactg aaattggtat attaaactaaa attcagactt 180  
 ttttcagatt tccaattttc ccaactaatgt cctgtttttg ttccaagacc caatccagga 240  
 tgccacattg cactgaagac actctccctt ttcaattcta ttactggtca cctcagtcaa 300  
 ctttcccggg gaaagagaat gcatgggaaa agctcttgct cttattattg aactggagaa 360  
 actgaggctt aaaagtgccg agtgaccaag ttc 393

<210> 1451

<211> 377  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA599472

<400> 1451  
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gcctactggg caggcttaca gtgacagaaa agtatgagaa cacaagatat tatttttata 180  
aagactaaaa tcagatttag gctgtctaga tatcttattc cagaaaacac agatttaaga 240  
tttttcagtg attcttgcc tccacctccc cttttcttcc ccaatgagat aaccatttct 300  
ttcacaatga tgaaccatcc ctttttatgg aaaaatggct ttctttctcc attggatcag 360  
gacaaagaca tcacttc 377

<210> 1452  
<211> 317  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA599522

<400> 1452  
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gttcgcgttc atgctcttgc cgctgccgct gagcacgat tagggggctc tctgagcctt 180  
ctgcttctcc tggagcaggg ccacgggtgcc caggggcgtg tcgctggagc tcatcttctt 240  
caggagcggc tcctcgcca gcttcttcat ccgcgcgtct gtcttcatct tgctgagcc 300  
cttgccatgg aagcggg 317

<210> 1453  
<211> 394  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA599526

<400> 1453  
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gagaaaggag actaaaatct ggaaaagcaa ataagccaaa ggaggttttc acaattatca 120  
tcttctagga atgtttttct tatttaaaaa ataatactga ttttctggga aaaacaaaaa 180  
aacaagccag agaagactgc ccttcaaacc aaaatggtaa gaaaggcagc tatgaacatg 240  
gggaagacaa gtgtgaacat gaggaagaca gggatgaagg tgtgaaaaca gatgtgagga 300  
taagaagaca ggtgtaaagg tgagaaagag gccgggcatg gtggctcacg cctgtaatcc 360  
cagcactgtg ggaggccaag gcagatggat catc 394

<210> 1454  
<211> 469  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA599585

<400> 1454  
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tgatacagac tagaaagcat gcagtcctca atgtaaacta aacacaataa atttcagaga 180

aaaacaattt taaaatggct taaaaatata tctaatagaaa tgtgggggtca aagaagaaca 240  
 ttttgaacac ataccgtagt tgcaaaaacaa tgatgttacc tcgtaagatt ataccaaagc 300  
 tttcatgaga agcagttttt tatattactt taatttttatt ttagagatgg agtctcgcctc 360  
 ttgcccagcc agagtgcagt tgcaggatct cagctcactg caacctccgc ctcccgaatt 420  
 caagccattc ttctgcctca ccctcctgaa tagctgggat tacaggcac 469

<210> 1455

<211> 408

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599808

<400> 1455

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 gtcttctac ctcagtgcac tcaaaacaca aggacatctc cataggcat caacatgcat 180  
 ctgtcatcca agaacttaag aacttcctga tccttcacca ttttctatca ataatttgc 240  
 cttctgaggt tatggattcc aggtcttcta tgaaataggt aaagcttctc ttcgcgttcc 300  
 aagaaatata gtttgccaag ggaactggaa aacgtgactc taggcctcag ccacttctc 360  
 tgttaccctg tgcaagttgt agaacaatcc acgttctcac agtcccc 408

<210> 1456

<211> 460

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599814

<400> 1456

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 ttggttcagt ccattccatt tcttatacag tgaatgtctt tttttctatc agaattccaac 180  
 agaagaataa tgcaaatctc acttctgagc ccacgggcaa gcagtctcaa caataaccaa 240  
 aaaatgtcac tttacgactg gtagtctgtt tctgaagtaa aaatattctc gccagtaac 300  
 aaaatttgtc atgaggaaat ccttcactgt tcaagaagca cagttcgaag ctcatcttct 360  
 ttattgatca tcatcgaagc aattgcacca tcattaaact caaaagaagt tcctccatcc 420  
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<210> 1457

<211> 359

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599850

<400> 1457

aaaagggtgt tcagatatac tgatatgtca aacaaatagt aaaacaacat agagtaatga 60  
 ttcatttttg taaaaaatat atatgtatat atagaaaaaa aaattctgca aggacatatg 120  
 cttaaattgg aacagtgcct acccctggga aggggtgata cagatgttga tttactcttt 180  
 ggggtacctgt atttcccagt ttttctataa atcacatcat ttgcttctgt cataagaaaa 240  
 aataatatct attatcatcc tttattttga tcaaaacaaa tcaattttt aaaaaatctt 300  
 aggttttttt aagaagcaga aataatttcc aaattgcctc cagagacaat gattttatc 359

<210> 1458

<211> 363

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599937

<400> 1458

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tctgaaaatc agccttttaa tctagttgtg tctcttctcc tctgactctg ggaatgagat 60
ttttctactc ccacaggctt gaactctcct tataggagtg tctccacatg ccaaaatcag 120
aggaagtcag aataaaacct cccaaggctg aaaactagag ctggcacgta gtacatgggc 180
agtaaagtgt tttaggtggc tggatgagtg aaggaatgag tgagtgagtg aatccaggat 240
cgatctggaa acacaccagg gctcagacct cttgggctaa gtgccagtct cagtcctctt 300
gggctgtgta acaccaaaga gaacacccca ggctctggct taccccaagg gcacacccat 360
gct 363
```

<210> 1459

<211> 348

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599954

<400> 1459

```
attttataga cacattatat ttattcagaa agattaagta tttcaaagggt aaaaaatgaa 60
gctaacattt gaagattagg taagtttcat gttacagaat ataaagatga aaatggataa 120
aaaattatta tgaagtacac acattagaat ttgacttgct tagtttgctt ctttgtgcct 180
ctacctttat caaagataat tatgtgacta agtatcataa ctaagctggg acatggaatg 240
gacaagttaa aataggtggg acattagaat tattatatat gagctcttct gacttcagag 300
taaaatttgt gttgctcatt cctagcttcc aaaagtgaat aaatacat 348
```

<210> 1460

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA600153

<400> 1460

```
tgatttagat ttatttttat tgacaagggt tataagaaca aatattttaa atcgaaggcc 60
aattattagg tctcatttag ttgcttattt tgttcacttg tatttacctt tccctagtgt 120
ctgagtaact atcaagaaac aaacctgtga aaatacctgt taacattcaa catatatattt 180
tatatatattc tgttctatga tgcaaagata tttttcaaca cttaattggg gcaacaaatg 240
tgtcatttgt tcataaacag catgttttaa aattcagatt taataaactg atttaagaca 300
gtaaatttga aagacaaaat taagtctcat tcaggagtggt tccattatgt tgatcatcta 360
gaatcaacac tgattaacca aactctgaaa gccaaagagcc ccaactccag agaaacatta 420
aattt 425
```

<210> 1461

<211> 417

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA600248

<400> 1461

```
cgtgacgata aagcttttta atcacctagg tgcaggcagg ctgagtccaa agagagtgtc 60
agcgaaggga gataggggtg gggccgtttt ataggatttg ggtaggtaaa ggaaaattac 120
aatcaaaggg gggtgttcta tggcaggcag gggcgggggg cacaagggtc tcagtgggga 180
agcttctgag ccaggagaag gaagttcaca ggttaatcgc tcagttaagg tggggcagga 240
acaaatcaca atggtggaat gtcacagttt aaggcaggaa ccggcccttt tcacttcttt 300
```



tgtgattctt cacttgcttc aggccatctg gatgtatata tgcaggtcac aggggatatg 360  
atggcctttgc ttgggctcag aggtctgaca cacatcacta agcattgttt gatctgt 417

<210> 1462

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA608545

<400> 1462

ttttaacagg cagaaactct ttaatcaggc tttttttcca actctaaaac aaaatcccat 60  
tttttcctta aatttagttc ctcaggaaca gagaactttg caatgatgat ctcaactctg 120  
catcatctgg tgactcctga ttctgcagga ctaagacatt tccaagagt tctgctgcat 180  
cagccagtga ggacaagagt tcttcagtgc ggttcagctc aaggacacct aggcctcccc 240  
agcaggggct tgcttcgagg tctgacaaac cacagagcgt tgagcagatg gcctgggact 300  
cccagacctg gcagagggtt ttattagggc ccgcctgggc tgcaccgttt catccaagta 360  
ccctgacca gcactcatc 379

<210> 1463

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA608546

<400> 1463

ttacagtgat ttcaaacagt ttaatgtaat tccaagacaa agtgtgatta catttctaca 60  
catatacaat atgcatatgt gagttttaca attttaatta ataagtcatt tcacctcgga 120  
gaccgaaaaa atgatcaaaa agaaactatg agtaacaagc tataacatag ttcaccacaa 180  
tgggaccccc cccccctttt tctcacccta cagttagtaa tattacaatt aaaataacta 240  
tattcttcta tattttttct gttaaaatca tctcataaat ttacaatgct attattagtt 300  
tccaagacta atataaattc actccatttt tctacaacga aaatgattaa tttagaagca 360  
cacgacgtca tgatgaaaaa c 381

<210> 1464

<211> 413

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA608579

<220>

<221> unsure

<222> (1)..(413)

<223> n = a or c or g or t

<400> 1464

aataaaacac atttgtttca tatttgctga aaagtaaaac aataatattg tacgaaatgt 60  
tatacacagg gtaggttgta catagcagtt tcagaaacat cattgcatcc accagagaaa 120  
ctatttctaaa actgatattc acacattttt tataataata ataatatgtt agaaacatac 180  
agtgtggcat ttagtatata cactcccttg ctcgcaagcg aaaaatccta atcgcttctg 240  
tataacatgc tttattttta agcctaacct ttaaaaacac tgttgtgata ttactaacia 300  
ctgctttttat aaaattaatt tgacatttcg atatatatac atccttttcag tcatttaaaa 360  
tgттаacaat gctaaactta aaaaataaca agcttatagn taatgggttaa aat 413

<210> 1465

<211> 442

<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA608668

<400> 1465  
tttttttttt tttttttcct gaggtagag agttgtgttt attcaccatg tcatacgcgc 60  
atatagggaa cctctattta ggagctggtg gcctgcactc agcaccgcac agataaaaaat 120  
atacgacttt caacacagat ccaaataccc tcacatttta aaagtcagga ttccctacac 180  
aagttttaag ctgacgggat tcaagttctg agttttcata catagcttta acttgattta 240  
aacacatggt tatttacaac gtggagagag aataaggggc agttaaggcc actttctcct 300  
gtgaaacact gcaaaatatg tacataagta caacctaata taggcaaagg ttctaaaaat 360  
catctttctt ggcttcacgt aattgagtat cagtcgggga gtggagagcg gctgccgata 420  
gcaccaggcc atgcaggcca cg 442

<210> 1466  
<211> 515  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA608671

<400> 1466  
tttgcaagac agtaaaaaga gtgaagagaa tgaaatagaa cagtttactc aagctatctt 60  
tatgtccagg aagaaaaaag attacatgct gctcgcagta agtacgagct ttccctgcaa 120  
ctctggctgc aggcgcgcaa gcggttcacc actggagttc ctaccacagc aggggattga 180  
gaaatgtctc caaacactga aaagctccat gtcaggactg gatgtgtggt tgataacctt 240  
tggttcagtaa aacaaatcac agtaggtttt gagaaggaaa aaaagaatgc tcacaactga 300  
atcggttagag tgaaggttta tcagacaaaag ggacatgagg caaacaattt ttaattacag 360  
aaaccaccac tgcaatgtca tgtagaaagg agaaacaagg gactagcttc ctggatggac 420  
caaaaatata gtttatagac tgtttcaatc ctaaaactaa gacaatttct agatttacct 480  
cagacatgag tagacgtctg gaaaatggat ggaat 515

<210> 1467  
<211> 463  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA608723

<400> 1467  
atttcattac tgggtaacaa tctacttctc agcttagaat gctatagaaa gcctccacat 60  
ttaatttaac caaatctgaa acccaataag cttaaacaaa gtgaatgttt ttcaaagtgc 120  
ataatttcca actcatccac ttgcaatatt tatccaattc cagttcatca gcaagaaaat 180  
aaaatgtact tggctataaa aatactgagg aatgttatcg aaaaggaaaag gctatttggt 240  
agaagtaact acaaaaaataa ttagttttaa tctttgtaaa gctttaatgt aagaacatca 300  
gtacactttc ttacataaaa ccttaaagca tgatcaatac caagatttca aattttcaac 360  
tttcaagtac ttgaaaaagg gttgcaacaa agtgtctctt cccaaaaaag caagaacagt 420  
gatcatgcag gtgttaatct gcagacatct gaggacactg gta 463

<210> 1468  
<211> 472  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA608729



caccttgcta ggggtcattc caccgtccac aaacagttct agagga

586

<210> 1472

<211> 462

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA608837

<400> 1472

```
tttcgatttt aataatatat tttatttaac tcaatatatc aaaaatatta gcattccagg 60
atataatcag tagaaaaagt gatcaatgaa atagcttctg ttcttttctc atatgaagtc 120
tttaaacctg ggctgtattt tacaattcca gcacattgca atttggatca actgcatttc 180
aagtgtcag tagcctcata tggctggtgg catggcactg cacagcacag ctctagatca 240
gctaccagct tccgggaaat tcagaggaca gaggaacatg ttaaacagca ccacagggat 300
gcaatcagca aaatctagat tgtgggaaac tctagaggaa aatcaagcca gctttttttt 360
ttttttccca gacaggggtc tgctctgttg cccatgctgg agtgccatga tgtctcacca 420
cagcctcaaa ctctctgggt ctagcgatcc tcttgctca gc 462
```

<210> 1473

<211> 153

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA608897

<400> 1473

```
ttttttttac agttgcctgt ttattatttt tcaaaacaaa aaaaaaaca aagacattca 60
aaattcccct gtggtggaca actgagttga tgtggctgat ccaggctgtc tcccaggttg 120
tctcaggagg catcagttgt actagggggg ggg 153
```

<210> 1474

<211> 336

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA608965

<400> 1474

```
tttaattttt aatttttaatt acaaaaaaga tgagtctgag aatgcatgta cagaagtttt 60
aaatgaatca acttgtcatc aacagcttta gggatcagtg gagtggctctt aacaatcctt 120
gagttcaggc tggagctggc agggaagatg gggagccgca gacagcgtcc tgtgctctag 180
gaacacgggt acctgcactc aagccttagg aggcacgggg gtccactgga gcctaagaca 240
gatgtcctgg gctgcctgtc gctcgcagct agctattgtt tcctcctgct ttcctccggg 300
cctcacctga gctctgatcg ccagggggaag gagctg 336
```

<210> 1475

<211> 383

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA609008

<400> 1475

```
ttttgaatgt aaaacaagta aactttattt gggagatggg gtgaatccat cactgggttac 60
tggaaccctg agtctgcatt ttctcctcag gaaggcgggc tgaaatggag tgggctgtgt 120
ttggcaaggg ttgtagtggg ttggaatctg cttggctccc gagctgggcc tcaggcatgt 180
```

```
ctccccagag taaatgcccg ggatcattga ggaagcgttg gctgcgctgg catgttaggc 240
aggtctgtac ggtccagcgc tgtccctcgc agcgtctctg gcgctgggtg caggtgaggc 300
ccgggacgag gaggggaagag cagcctcgac agagagtcct cttcaccgag ggatctcgcc 360
gcaagacgag ccgcttcgca atg 383
```

<210> 1476  
 <211> 315  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA609011

```
<400> 1476
tttaacatca aatttggttt atttcaagtt tgtaacaaaa tatattctag gcaacttttc 60
agacattggt ttatagcatc ataaacccca taccactgct gtcattccaa aagctgccag 120
gacactggaa gttatcaagt ggtccagccc aggaatacag gtagaattca catgataggt 180
gataagaaag caatgtctgt gggccactct gatccctctt tttaccttgg taggtaaggt 240
atgatcttaa gactatatgt actgagtcct attagtcagt gaaaaagatt taagtgacaa 300
gttatgtgct ttgtt 315
```

<210> 1477  
 <211> 329  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA609013

```
<400> 1477
tttgaagggg tgttgctttt attgcggggc tactgtgtgt gtgtcctgaa ctgtccccag 60
gcatcctgcc ccccaggtaa gcccaggcgt cctctcagga gatgctggtc cttgcatgtg 120
ggcagcaggg ctccctggcat ctggagtcct gggatgggag ggtcttcccg gagctccgga 180
gaccctaaag gggactctgg tctcccaggt ttcacaggag agacagacag aggaccaggg 240
gagcgagggg ggccagcagg agccccaggt ggcgatggag gctggaagcc cagaggagta 300
gccgtaatgg gtccctgcagg agccaccca 329
```

<210> 1478  
 <211> 429  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA609080

```
<400> 1478
tttgtagttc aatacttttt tctttttaat tcatactgta cttccatggc tctagctact 60
ttacattaag atttggtctg gcagccttgt gtgtttctag gtactagcag taagttttct 120
gaccttgctc acagcgcagg caaagtacag ttatagatcc aaatacagat ggccagacaa 180
ctcgactgca ctcgaccctg gttctttccc atagatggcc cagtgcaggt gttggggctg 240
ctccctctgc ctcacccccc tccacccccc gtcaggatta tccagggggc actatggcat 300
ctgacccatc cctccccacc ttggagtcta ggttgagttg gggaaaaagc accatggggt 360
tggaagatg gtctgggtcca tgcagagagt ggtctggccc ttgagtgcag ggtaggaaaa 420
tgtggggag 429
```

<210> 1479  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA609132

<400> 1479

```
tttaaaaatc gaataccttt atttgtgctc ccttaagcag catgtgagaa gtggcagtga 60
cctcagcagc aggcctggta tctttgccct gttgagaagc caagatctca gctgtactag 120
tcagggtgttt ttccagacag caagtagaag aggtggtggc caactccagt gctgtatcct 180
ggaggaggtc cgggtcagca ctgggcaagg taggtagcta gctgcctgac ccctagtctg 240
gggttggaaac ttctgtttgc ctgagtaaag ggatgtcagt cctaagattt ctccacattg 300
tgtctttctt ctgcagtggg aaaaaggctg gtccttgaat tgcctgcat ggtaccctaa 360
ggcaggccca ctggctcttt ttgatcaagg attctgagaa aagctgcctt tggaggcc 418
```

<210> 1480

<211> 483

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA609164

<400> 1480

```
tttagaagtg aaagttgttt ttattgttta tatattatca agcaggcatc tgatgacctg 60
tggaattaga aataccagca gacatttcca aggggtaggt gcacagggtca acagaactaa 120
actacagtga tcttcctta gatccttttc tactgagggt aatagctcaa aagacaagga 180
tgcctttagt ccaggctaac ccctgtagcc tctacgcaat taacacagaa gaaaggcctt 240
cctcccttcc agcactgggg ctcaacagtg gactgagtgt ttggtagtgt acatttccaa 300
tcttaataga gcaaagccag acttctgctt tgatgactga gctacaggga caggagtggg 360
ccaaggttct caaattctgt ttttgttttt ttccagactt ctatactatt gtctgcccta 420
ggctgtaggg aatgctgggt agtttgctga acagacactg tgttcagcag ggtttgtggt 480
atc
```

<210> 1481

<211> 408

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA609316

<400> 1481

```
ttttacaaat tatatacatt tattttttaat aatttttaaat aacactcttg tataaattct 60
ttcatatatt caaatcatat acaaatttag aaatgcatga tgaagcctag tacagcatat 120
gtatgagaca ctttttttaa gtttgtgtta gaattttagt gacataaata caagtttaat 180
gtttcagaaa cattccctaa ttgctcggcc tataatttaa tgtattatag agtgcttatg 240
cctagcatta caacttgact ttaaatcatt tagcttttgg actaacttag atctgaagcc 300
ctgggcttac tttctagggc tgctgctgca gcaacaagta acaattccta cccacatagc 360
ccaaaatata ggaaccaggg atgttcatta taagtgggtg tatgttca 408
```

<210> 1482

<211> 464

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA609519

<400> 1482

```
tttattggac tgtagggtttt tattaataaca aacatttctc atagctctaa gcaaagcatt 60
agaattcatc aagcggactc acatcttttc tctgcacaga gagggctgaa aaggagagaga 120
aagtccctta tgtatgtcta gatttggtta agcgaaggat ttcagcgaat gagtcaactga 180
ggctatacac gtttgcaaat tgtaaggcac tggcgggcag agagcacaga taaaggactt 240
ctgggggtccc ccctctgtc cagcaacctc ccagctcaca ccttagcttc taccaagaag 300
```

```

ggatgaacaca gcacccctgc tatcttcact cagacccag aagacacagg aaaccgcaca 360
gctccactcc caccataact tattaggaga taagtcacat tttatcaact tgccatcgcg 420
cctcctatag attatacttc ggtaaaccac atctgtataa attc 464

```

```

<210> 1483
<211> 513
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA609537

```

```

<400> 1483
ttttttacat tttattagaa tcttttttatt tttttctgca gaaaacattt gagatgctca 60
tttgatataa acatctaatt ccaagagaga ccagtgtca aatatagttt tttcagctac 120
catttgatac ggccataaat ttggatgggc catgttacaa tccttcacca attctccact 180
taaagacatc atttttctat gtttttaatg actattgcc tctaacaatt ctacaattcg 240
cctctttgcc tgtaaaaagg ccaactctac gtccacctgt gtctcatatt gctatctttt 300
atztatctct gcttaagatt gcaaaagtgt ttgattttat tattcacctg aacaatgtat 360
tgcaattcca atacaccccc atctcttgct gttatctaca gcttggtgaca aaatgaacac 420
ctttagataa taccctactg gttgggtttt ccaagtctat gacaccaaga gagaagcatt 480
gctgatggat tgacgaggag accaccagat cat 513

```

```

<210> 1484
<211> 372
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA609572

```

```

<400> 1484
ttttgaaaca tcagggactt taatcacatc ccgcagctct gcgaccctgc ccaggcgctg 60
atgctgcgca cagcccaccc ccattccctc cctcccgccc tcctggccct ggcagctcag 120
ctctgtccgg ggtcggagag ggggtcctga ggcagcagca gccagctcc agagtgcag 180
gcaggggctg tccagctgag tctccgcccc cacgttgccc tggggaggcc cagctgctgt 240
cagtgtgct tgagacactc agcagcatct tccaaggcca ggttggccaa gtgtgggggc 300
tccagacacc ttaaggctgg cgataccagg aaggccgggg tggctctgtg tgtcccaggc 360
caggagaagg ca 372

```

```

<210> 1485
<211> 326
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA609574

```

```

<400> 1485
ttttcgtggt ttcgtctatt tattaataaaa tatttgagaa caaacctct gcctctttga 60
gtcttgctct ggcaccccca gcacatctga ttctccctgg tgccccagc tcaggaagaa 120
ggtggttagtg gggagagagg gtcagggggg cttggcaggg atgcaggcac catgactttt 180
gtgaccagtt cctagagacg catgggtgta gcctcaggag gaaagcgaga ggagctttac 240
catgggaacg aaggaaaagg acaacattgg gaggcaaac ttgggagact agtccagaaa 300
cttgcagttg aggatataac agggtc 326

```

```

<210> 1486
<211> 325
<212> DNA
<213> Homo sapiens

```

<220>

<223> Genbank Accession No. AA609576

<400> 1486

```
tttaaagggg aaaaatcttt aattgatttc tcaggtaatt tttttccaga ttgtacataa 60
agtgttctta tgttctctat ttggatgttt caggagacat acaaagaaa tacagtacat 120
agacaaatga aatgctaata agaagtagga tgatattaaa atatccttac tttgcctgta 180
tggaacaaaag gcagtctact ccatcgggga atcaaagcaa atgtgaataa gaggtttcca 240
ccttgcaaaa ctgtgagctt catttgccct ggagagaact actaggcaag gcttcacatg 300
acagtacctg tagggatgtc catgg                                     325
```

<210> 1487

<211> 306

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA609614

<400> 1487

```
tttttcggat tttttttttt tttttgcaaa acattctttt attaaaagaa caagtgtctgt 60
ttacgaactg cccttcgtac aaataacatc cggtatacaa agatacaaga tccgggttat 120
gcacaattcc aggcttggag gtggcagggg ggcacgcctt tgggctgagg atatcaagggt 180
tttagaaaga atgaaaaagg agcccctggg tttgcaatct gtggcttccc ctccctgctc 240
cctaggaagg gtctgctaca tggaaacagg ttgggataga aagggggcgg gacggggagca 300
gggggtg                                     306
```

<210> 1488

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA609715

<400> 1488

```
ttttgtttat aattttttta ttaaaaattt ttaattgaca cacgataatt atacatattt 60
atgggggtaca tagtgacatt gcaatacaca aaatatacag tgatcagatt agggtaatta 120
gtatatccat catcttaagc atttatcatt tctttctggt gagaacattc aatatcctcc 180
ttctagctat ttagaatata tattattggt aactgtagtc atcctacaga gctatagaac 240
actacaactt aatcttccta tctagctgta attttgtatc ttttaacaaa tttcttccta 300
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<210> 1489

<211> 380

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA609773

<400> 1489

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ttatagtttc tgtattgaaa tatgtaaaga catctgcaaa ttagtaccta gcaatgaaga 180
catacattta taaatataca cattctagggt ttgataagggt aaatgtaaac agatgccatg 240
actccttttc aaacagaaaa cccacaagac taatagagaa ccaatagggt ccctatagta 300
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<210> 1490



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<220>  
<223> Genbank Accession No. AA609774

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ctggagggtc atgcagaact ttttacagtc caacatggaa atagaaaatc acttctgttt 240  
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aacaggagca gatagataca tgatgagctg taaatgcttt tgccatattc tacaaataat 360  
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<210> 1491  
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<213> Homo sapiens

<220>  
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ccatctaaga tagcagcagc tggctgttgc cctgggactg agatttcttc ctctttgtgt 180  
gtggggggcg gctggaacgg atgggagaca cagtgggagg ctgaggcccc ttggggtaat 240  
cattctgttt ctggaaggca gctttctcaa aaggctgtc tggcaactgc tgcttctcaa 300  
cccccttggc ccttccaagg ggctgatgat ggtccttagg ttccagggtg gcctgagtct 360  
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<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA609795

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gccaattctg agatcagacg ggggtgttcc tccttaggaa gtggccactg gaagcattgt 180  
ttttccatgc tatttccgtg aagccttttg ctgggttcga gtttaaattt ctccctttgt 240  
gtgagtatga ctatagttct ggctgggtgt tttctattta tttagtttta gatgtcagca 300  
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gagatc 426

<210> 1493  
<211> 448  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA609934

<400> 1493  
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<210> 1494

<211> 330

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA609942

<400> 1494

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tttatagtat ctacttctgg tactaatata cacaaaaggc caaaaccatg cctattctgc 180
aggtgtagct tcggtgctct cctgttcagg ggcaggctca ctgcacgctt cttttccttc 240
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<210> 1495

<211> 442

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA609996

<400> 1495

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aaacaacatc aaagccactg gtgtgatttt aaaccaggga gattaactgt ttgagggttt 180
ggctgaacca cccaaaataa tttagtagtt tccgtaaaaa atgtaaactt acaaaataaga 240
gggagactgc tttgaatgat aataccaatg cgtctgctca cagtacagct tgaaggcccc 300
ctcctgtacc cccacaaaaa aactcaaaaa taggactgag atgccacagc caagcgggct 360
gttactcca aagcctcggc gtggggggagg cttccagctg ccaggctggc ctgcactgaa 420
gggtcagacg ccagactgtg gc 442

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<210> 1496

<211> 449

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA610053

<400> 1496

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acaccattac caactaaaca gtagttcttt agcaataatt aggaagtcac agcacaaaaa 180
cgacacccca gagttgtggt ccatttataa atagattttc acctaggctt cgttgggaaga 240
agtgatttta tatctatcct caccaatggg caaagtgggc acagggtgggc tgtttctata 300
ctttgagcaa attatgcctc actagctggc aatgttttgc gggaacctgg tccgtgcagc 360
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<210> 1497

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<212> DNA  
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<220>  
<223> Genbank Accession No. AA610073

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agaataattt taacagaaga aaaagctcac atctatctag atgtggctat gttccatggg 180  
aaaaattttca gcatccaaag tgcaaagaaa aaatgactgt agcttttctt accacaaaat 240  
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tat 303

<210> 1498  
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<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA610089

<400> 1498  
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tttgtcccag tgtctgcttg gcacagttct gagatcacac aaacaagtgg gaggggggtg 180  
ggaaatagaa taagtgaag gactgaagag acaaaggcaa gggaggagag gcaagggctt 240  
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<212> DNA  
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<220>  
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ttcaaattat gggagatcat attcaaatat gcttaggttt gacaagttgc tgttacaata 180  
ctgagaactt tcatgaaaaa ggtattttaac aattttttaag ataatacaat atctttttgc 240  
tacgtgggcc aacgcattaa tactaacttg tttaaaaatg cagtctttta gacttcaaat 300  
tattataaaa caatatcaag atcatataga tatactt 337

<210> 1500  
<211> 166  
<212> DNA  
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<220>  
<223> Genbank Accession No. AA620343

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<210> 1501

<211> 303  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA620461

<400> 1501  
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ttactagttt ttcaatttca gataatcctt ttagaatcat ttcccttctt gaagatcatc 180  
cttttgtagt ctctttactg aagttgtgct gaggataaca tctgtttttc atctgagcat 240  
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ccc 303

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<211> 457  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA620466

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tttgaagcct caaacttaag gaactttcca cctggaaagc attcttaagt aacatcaatg 180  
aactgtcctc cctaaaacct agacacagta tcactgtgga aacagagtaa tagttctgga 240  
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aggacagaat caaggcacac ctgtggaacc tctttctgca tctgtcaaat ggggacgctg 360  
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<210> 1503  
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<212> DNA  
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<220>  
<223> Genbank Accession No. AA620497

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cacccatagc cggaacggat tctccaggat ggcagagaag ccttcagcca gcgttggggc 180  
ctcgaactgc ttctgttagc catacatgac catgtctgac acggggatat gagaggagtc 240  
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<210> 1504  
<211> 365  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA620553

<400> 1504  
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tactcctctg aataactaga cacaaattac atagcaagtt cgtgtttctg cccadccaag 180  
acacagccag taatcagtca caaacacaga cacagccaac tccaggggct ccagctttct 240

gcccattcttc tctcagcagt tcctcccatc tgctaagatg cgccttcctg gtggctctct 300  
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 ccact 365

<210> 1505  
 <211> 408  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA620556

<400> 1505  
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 aacagcacat ccttccttgg acatgcttta ctctgctgta gtgggtcatca cagttttgat 180  
 tttctggata agaagttcac cacagcattt gtgcattcat ctgatagcca tcttccctga 240  
 aggacattgc attcttcagc attaacagcg tgtagttttt ctctctctct tttcctgatt 300  
 acctcttttg aaattctcaa ggcatttggg ggaagctttg caaatgcctt cagcctgggtc 360  
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<210> 1506  
 <211> 417  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA620667

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 ctccacgccc cttttgtctt atgaattgta ctgcatcttc gtatttcatt ccaccttcaa 180  
 ttaatgctag ggcaacaagt actggagctc tcccaaggcc tgcaacgcaa tgaacagcaa 240  
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 tctggttgga tgggtggtgcc catcatcaaa aggccaatca agaacatgga taccttcttt 360  
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 <213> Homo sapiens

<220>  
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 caaccgtatg tggctgaatg attaaaatga ccatctatac tttacatagt aaagcatctt 240  
 ccaaaatttt aatgtacaca gtgacaaaaa ggaaaaacaa acaaaaaaaaa cagtaattct 300  
 gaacacatga agagtgatta agcagcttca taatcaaadc aggttcatt acttgcaaca 360  
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<210> 1508  
 <211> 439  
 <212> DNA  
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<220>  
<223> Genbank Accession No. AA620779

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ggcacaaatca cagaaatat 439

<210> 1509  
<211> 227  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA620830

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gaattatatt gacacaggta gacatagga atggaactga atgaacccaa ggtgttacat 180  
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<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA620881

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ttttaaatat tatttttagtg aatacatgca ttatataata caacaacaac aacaacaaca 180  
aaaacacaaa gaggctagag atttcaccgt ttctaccccc aaaataacgc ttgctatcaa 240  
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<210> 1511  
<211> 517  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA620965

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517

<210> 1512

<211> 470

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA620995

<400> 1512

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<210> 1513

<211> 380

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA621131

<400> 1513

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<210> 1514

<211> 464

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA621146

<400> 1514

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<210> 1515

<211> 211

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA621192

<400> 1515

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ctggagccca aggtacagga tgggaaggct ttgctatgga tcccagcctt tctagggctg 180
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<210> 1516

<211> 345

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA621209

<400> 1516

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cagaagtgtc ttaagacttc acagcggcat ttcctgttc ctcagccccg cctccagggc 240
catcactttg gggcaacagc ttttgctcat gtaactataa aacatctcta ggaatgaaag 300
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<210> 1517

<211> 444

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA621235

<400> 1517

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